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OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 16:36:23 ; Search time 60.1442 Seconds
(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-1
Perfect score: 1251
Sequence: 1 atggctttaaaagtctact.....agacgtccctccaggaagct 1251

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 441362 seqs, 15333881 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/prodata/1/ina/5A_COMB.seq.*
- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq.*
- 3: /cgn2_6/prodata/1/ina/6A_COMB.seq.*
- 4: /cgn2_6/prodata/1/ina/6B_COMB.seq.*
- 5: /cgn2_6/prodata/1/ina/PCTUS_COMB.seq.*
- 6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	435.4	34.8	893	US-09-286-529-8	Sequence 8, Appli
2	314	25.1	623	US-09-286-529-9	Sequence 9, Appli
3	36.4	2.9	1601	US-08-722-001-7	Sequence 7, Appli
4	36.4	2.9	1987	US-08-722-001-26	Sequence 26, Appli
5	36.4	2.9	1997	US-08-722-001-27	Sequence 27, Appli
6	36.4	2.9	2004	US-08-722-001-11	Sequence 11, Appli
7	36.2	2.9	2485	US-08-424-424B-1	Sequence 1, Appli
8	36.2	2.9	2485	PCT-US94-05363A-1	Sequence 1, Appli
9	36.2	2.9	4136	US-09-103-875-2	Sequence 2, Appli
10	35.6	2.8	1150	US-09-372-934-3	Sequence 3, Appli
11	34.8	2.8	1639	US-08-334-698-5	Sequence 5, Appli
12	34.8	2.8	1639	US-08-228-932-5	Sequence 5, Appli
13	34.8	2.8	1639	US-08-468-939-5	Sequence 5, Appli
14	34.8	2.8	1639	US-08-406-855A-5	Sequence 5, Appli
15	34.8	2.8	1639	US-08-722-190-5	Sequence 5, Appli
16	34.8	2.8	1639	US-08-244-354-5	Sequence 5, Appli
17	34.8	2.8	1639	US-09-206-899-5	Sequence 5, Appli
18	34.8	2.8	1639	US-09-444-783-5	Sequence 5, Appli
19	34.8	2.8	1639	US-09-688-415-5	Sequence 5, Appli
20	34.8	2.8	1639	PCT-US95-04203-5	Sequence 5, Appli
21	34.6	2.8	5962	5386025-5	Patent No. 5386025
22	34.6	2.8	7218	US-08-232-463-14	Sequence 14, Appli
23	33.8	2.7	4403765	US-09-103-840A-2	Sequence 2, Appli
24	33.8	2.7	4411529	US-09-103-840A-1	Sequence 1, Appli
25	33.6	2.7	800	US-08-416-603-11	Sequence 11, Appli
26	33.4	2.7	4360	US-08-470-350B-1	Sequence 1, Appli
27	33.2	2.7	703	US-09-280-116-175	Sequence 175, App

C 28	2.6	1458	4	US-09-134-001C-989	Sequence 989, App
C 29	2.6	9472	1	US-08-325-547-9	Sequence 9, Appli
C 30	2.6	2230	1	US-08-200-512-1	Sequence 1, Appli
C 31	2.6	3786	4	US-08-961-527-182	Sequence 182, App
C 32	2.6	6822	4	US-09-426-998-3	Sequence 3, Appli
C 33	2.6	7741	4	US-09-426-998-4	Sequence 4, Appli
C 34	2.6	1593	2	US-08-524-828-2	Sequence 2, Appli
C 35	2.6	1593	2	US-08-975-114A-2	Sequence 2, Appli
C 36	2.6	1593	2	US-08-849-281A-2	Sequence 2, Appli
C 37	2.6	2247	2	US-08-524-828-1	Sequence 1, Appli
C 38	2.6	2247	2	US-08-975-114A-1	Sequence 1, Appli
C 39	2.6	2613	4	US-09-255-829-7	Sequence 7, Appli
C 40	2.6	2616	4	US-09-255-829-1	Sequence 1, Appli
C 41	2.6	2616	4	US-09-255-829-25	Sequence 25, Appli
C 42	2.6	2622	4	US-09-255-829-5	Sequence 5, Appli
C 43	2.6	2628	4	US-09-255-829-9	Sequence 9, Appli
C 44	2.6	2637	4	US-09-255-829-11	Sequence 11, Appli
C 45	2.6	2685	4	US-09-255-829-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match 34.8%; Score 435.4; DB 4; Length 893;
Best Local Similarity 82.1%; Pred. No. 1.8e-125;
Matches 513; Conservative 0; Mismatches 111; Indels 1; Gaps 1;

Qy	1	ATGCTTTAAAGTGCTACTAGAACAGAGAAAACGTTTTTCTCTTTTACTCTTTTGTAGTACTA	60
Db	55	ATGGACTCAAGTCTTACCTCTACACAGGCGTCTCTTGGCTGCCATTTCTCTCTA	114
Qy	61	GGCTATTTTGTCAATGAAGTGACTTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG	120
Db	115	CTCCACCTGGCATGTAAAGTGAGTTGGGAAACCGGAGATTGACGAGCAGCAAGATTCAAG	174
Qy	121	GATCGGTTGAAACTGTGTTCCCTGCAACAGTGTCGCCAGCATGGAGTGTCTTAAG	180
Db	175	GATGATCTGAAACTGTGTCTCTGCAACAGTCCGACCTGGCATGGAGTGTCTCAAG	234
Qy	181	GAATGTGCTTTCGGTATGCGGAGGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC	240
Db	235	GAATGTGCTTTCGGTATGCGGAGGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC	294
Qy	241	AAGGAGGACTGGGGTTCCAGAAATGCAAGCCCTGTCTGGGACTGGCAGTGGTGAACCGC	300
Db	295	AAGGAGGACTGGGGTTCCAGAAATGTAAGCCATGTGCGGACTGTGCGCTGGTGAACCGC	354
Qy	301	TTTCAGAGGCAAAATTTTCAGCCACCATGTATGTCATCTGCGGGAATGTTTTCAGGGA	360
Db	355	TTTCAGAGGCAAAATTTTCAGCCACCATGTATGTCATCTGCGGGAATGTTTTCAGGGA	414
Qy	361	TTTTTATAGGAGACGAAAATTTTGTCCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGAGAC	420
Db	415	TTTTTATAGGAGACGAAAATTTTGTCCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGAGAC	474

APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon
APPLICANT: Bell, Ian M.
TITLE OF INVENTION: ALPHALC ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: United States of America
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,001
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/229,276
FILING DATE: 14-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Appollina, Mary A.
REGISTRATION NUMBER: 34,087
REFERENCE/DOCKET NUMBER: 19169Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3462
TELEFAX: (908)594-4720
TELEX: 138825
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 1987 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cdNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-26

Query Match 2.9%; Score 36.4; DB 1; Length 1987;
Best Local Similarity 52.7%; Pred. No. 0.38;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

Qy 474 CGGTCCACGGCTCCAGCCACGGGACACGGCGGTGCTGCGGTATCTGCGGCTCT 533
|||
Db 1112 CGAGGACGAGACCATTCTGCCAGATCAACGAGGAGCGGGCTACGTCTCTTCGCGCTCT 1171
|||
Qy 534 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTGTAAGACAGAGTTTAT 593
|||
Db 1172 GGGTCTCTTCTACCTGCTCTGGCCATCATCTGTCATGTCATGTCGCGCTCTACGTGGT 1231
|||
Qy 594 GGAGAAGAAACCCAGCTGCTCTGCGGTC 623
|||
Db 1232 GGCCAAGAGGAGAGCGGGCGCTCAAGTC 1261
|||

RESULT 5
US-08-722-001-27
Sequence 27, Application US/08722001
Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon
APPLICANT: Bell, Ian M.
TITLE OF INVENTION: ALPHALC ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: United States of America
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,001
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/229,276
FILING DATE: 14-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Appollina, Mary A.
REGISTRATION NUMBER: 34,087
REFERENCE/DOCKET NUMBER: 19169Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3462
TELEFAX: (908)594-4720
TELEX: 138825
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 1997 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cdNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-27

Query Match 2.9%; Score 36.4; DB 1; Length 1997;
Best Local Similarity 52.7%; Pred. No. 0.39;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

Qy 474 CGGTCCACGGCTCCAGCCACGGGACACGGCGGTGCTGCGGTATCTGCGGCTCT 533
|||
Db 1106 CGAGGACGAGACCATTCTGCCAGATCAACGAGGAGCGGGCTACGTCTCTTCGCGCTCT 1165
|||
Qy 534 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTGTAAGACAGAGTTTAT 593
|||
Db 1166 GGGTCTCTTCTACCTGCTCTGGCCATCATCTGTCATGTCATGTCGCGCTCTACGTGGT 1225
|||
Qy 594 GGAGAAGAAACCCAGCTGCTCTGCGGTC 623
|||
Db 1226 GGCCAAGAGGAGAGCGGGCGCTCAAGTC 1255
|||

RESULT 6
US-08-722-001-11
Sequence 11, Application US/08722001
Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon
APPLICANT: Bell, Ian M.
TITLE OF INVENTION: ALPHALC ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: United States of America
ZIP: 07065

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722,001
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/229,276
; FILING DATE: 14-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Appollina, Mary A.
; REGISTRATION NUMBER: 34,087
; REFERENCE/DOCKET NUMBER: 19169Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-3462
; TELEFAX: (908)594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2004 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-722-001-11

Query Match 2.9%; Score 36.4; DB 1; Length 2004;
Best Local Similarity 52.7%; Pred. No. 0.39;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 474 CGCGTCCAGCGCTCCAGCCGACGAGCGGCTGGCTGCGGTATCTGACGCGCTCT 533
DB 1107 CGAGACGAGACATCTGCCAGATCAACGAGGCGGCTACGTGCTCTTCGCGCTCT 1166
QY 534 GGCCACCGCTCGTGGCCCTGCTCATCTCTGTGTCTATCTATTTGTAAGACAGTTTAT 593
DB 1167 GGGCTCTTCTACCTGCTCTGGCCATCATCTGTGTCATGTAATGCGCGTCTACGTGCT 1226
QY 594 GGAGAAGAAACCCAGCTGTCTCTGCGGTC 623
DB 1227 GGCCAAGAGGAGAGCGCGGCTCAAGTC 1256

RESULT 7
US-08-424-424B-1
; Sequence 1, Application US/08424424B
; Patent No. 5759854
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESS: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,424B
; FILING DATE: APRIL 21, 1995
; CLASSIFICATION: 435

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722,001
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/229,276
; FILING DATE: 14-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Appollina, Mary A.
; REGISTRATION NUMBER: 34,087
; REFERENCE/DOCKET NUMBER: 19169Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-3462
; TELEFAX: (908)594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2004 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-722-001-11

Query Match 2.9%; Score 36.2; DB 1; Length 2485;
Best Local Similarity 56.2%; Pred. No. 0.51;
Matches 68; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 453 CAAGGTCAACCTCGTGAAGATCGCTCCAGCGCTCCAGCCGACGAGCGGCTGCG 512
DB 2023 CAGCATCATCCAGCTGGGGGTACGCCCCCGGCTTACAGCGCTGATCAAGGAGGAGGC 2082
QY 513 TGGCGTTATCTGCAGCGCTCTGGCCACCGTCTGTGTCGCTGCTGCTATCTCTGTGTCAT 572
DB 2083 TGCCGAGCGCTACCTGTATTTCCCAACTGGCCCATGCACTCTCTGATCACCCCTCATGT 2142
QY 573 C 573
DB 2143 C 2143

RESULT 8
PCT-US94-05363A-1
; Sequence 1, Application PC/TUS9405363A
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESS: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363A
; FILING DATE: SUBMITTED HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2486 BASE PAIRS
; US-08-424-424B-1

;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363
; FILING DATE: MAY 25, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-308
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2485 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: cdna
; US-08-424-424B-1
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TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
PCT-US94-05363A-1

Query Match 2.9%; Score 36.2; DB 5; Length 2486;
Best Local Similarity 56.2%; Pred. No. 0.51;
Matches 68; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

Qy 453 CAGGTCAACCTCTGTAAGATCGCTCCAGCGCTCCAGCCACGGGACACGGCGCTGGC 512
Db 2024 CAGCATATCCAGCTGGGGGTACGCCCGCGCTTACAGCGCTTGGATCAAGGAGGAGC 2083
Qy 513 TGCCGTTATCTGACGCGCTCTGGCCACCGTCTCTGTCGCCCTGTCTATCTCTGTGCAT 572
Db 2084 TGCCGAGCGCTACTGTATTTCCCACTGGCCCATGTCATCTCTGATCAACCTCATGCT 2143
Qy 573 C 573
Db 2144 C 2144

RESULT 9

US-09-103-875-2/c
Sequence 2, Application US/09103875A
Patent No. 6221849

GENERAL INFORMATION:

APPLICANT: Szyf, Moshe
APPLICANT: Bigey, Pascal
APPLICANT: Ramchandani, Shyam
TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
FILE REFERENCE: 106101.194
CURRENT APPLICATION NUMBER: US/09/103,875A
CURRENT FILING DATE: 1998-06-24
EARLIER APPLICATION NUMBER: 60/069,865
EARLIER FILING DATE: 1997-12-17
EARLIER APPLICATION NUMBER: 08/866,340
EARLIER FILING DATE: 1997-05-30
NUMBER OF SEQ ID NOS: 138
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 4136
TYPE: DNA
ORGANISM: Homo sapiens
US-09-103-875-2

Query Match 2.9%; Score 36; DB 4; Length 4136;
Best Local Similarity 49.5%; Pred. No. 0.79;
Matches 93; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

Qy 689 CCCACAGAGCTGCTGCCAGTCCCGCGTGAATCACTAGTCAGACCTGCGGGCGGTGCGCT 748
Db 3917 CCCACAGAGCGCTGCTGCTCCCTGAGTGGTGTTCCTCCCTCATGTTACCTACCGCC 3858
Qy 749 TGCTCCATCCATGCTGTGAGGAGGCTGACGCCCAACCCGCGGACTTGTGTTGTG 808
Db 3857 TCGGACATCTCGGGCAGCAGATGGCGGACCGCAGTGTGGACCCCGGCTGGGG 3798
Qy 809 GGGTGATCTCAGCCAGTCTTACGGCAAGAAACGACGGCCACCGGGGAGATGGTGC 868
Db 3797 CGGTACGCGCGGCATCTCGGAGGCTTCAGACAGCGCGCGCGCAGCGAGCGGCC 3738
Qy 869 CGACTTTC 876
Db 3737 GGCCTTTC 3730

RESULT 10

US-09-372-934-3
Sequence 3, Application US/09372934
Patent No. 6248579

GENERAL INFORMATION:
APPLICANT: Stutzman-Engwall, Kim J.
APPLICANT: McArthur, Hamish
APPLICANT: Kato, Yoshihiro
TITLE OF INVENTION: STREPTOMYCES AVERMITILIS GENE DIRECTING THE RATIO OF
FILE REFERENCE: PC10649
CURRENT APPLICATION NUMBER: US/09/372,934
CURRENT FILING DATE: 1999-08-12
EARLIER APPLICATION NUMBER: 60/074,636
EARLIER FILING DATE: 1998-02-13
EARLIER APPLICATION NUMBER: PCT/IB99/00130
EARLIER FILING DATE: 1999-01-25
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3
LENGTH: 1150
TYPE: DNA
ORGANISM: Streptomyces hygroscopicus
FEATURE:
NAME/KEY: CDS
LOCATION: (58)..(990)
US-09-372-934-3

Query Match 2.8%; Score 35.6; DB 4; Length 1150;
Best Local Similarity 57.0%; Pred. No. 0.49;
Matches 65; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 448 GCCAGCAGGTCAACCTCTGTAAGATCGCTCCAGCGCTCCAGCCACGGGACACGGCG 507
Db 142 GCCAGCAGCGGTACCGCATCGAGAAGGCGTCCCGGCCAGGGCGGTGGGACTCGGAG 201
Qy 508 CTGCTCCCGTATCTGACAGCGCTTGGCCACCGTCTGCTGCTGCGCCCTGCTCATC 561
Db 202 CGGATCCCGCATGTGCTGATCCCGCTGCTGCTGCGGAGCGGTGGTCCCTC 255

RESULT 11

US-08-334-698-5
Sequence 5, Application US/08334698
Patent No. 5556753

GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
RECEPTORS AND USES THEREOF
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/334,698
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/952,798
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 376901
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: (212) 422523 COOP UI

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; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
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US-08-334-698-5

Query Match          2.8%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

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QY 534 GGCACCGCTCTGCTGGCCCTCATCTCTGTCATCTATTGTAAGACAGACGTTTAT 593
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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QY 594 GGAGAAGAAACCCAGCTGGTCTCTGCGGTC 623
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
755 GCCAAGAGGAGAGCGGGGCTCAAGTC 784

RESULT 13
US-08-468-939-5
; Sequence 5, Application US/08468939
; Patent No. 5714381
; GENERAL INFORMATION:
; APPLICANT: Jonathan A. Bard et al.
; TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
; TITLE OF INVENTION: Receptors and Uses Thereof
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,939
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41337-1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
;
US-08-468-939-5

Query Match          2.8%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCACGGCTCCAGCCACGGGACACGGCGCTGGCTGCGTTATCTGCAGCGCTCT 533
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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QY 534 GGCACCGCTCTGCTGGCCCTCATCTCTGTCATCTATTGTAAGACAGACGTTTAT 593
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGTCATGTAAGTACGCGCTACGTGGT 754
QY 594 GGAGAAGAAACCCAGCTGGTCTCTGCGGTC 623
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755 GCCAAGAGGAGAGCGGGGCTCAAGTC 784

RESULT 12
US-08-228-932-5
; Sequence 5, Application US/08228932
; Patent No. 5578611
; GENERAL INFORMATION:
; APPLICANT: Charles Gluchowski, Carlos C. Forray, George Chiu,
; APPLICANT: Theresa A. Branche, John M. Wetzel and Paul R. Hartig
; TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO TREAT BENIGN
; TITLE OF INVENTION: PROSTATIC HYPERPLASIA
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,932
; FILING DATE: 13-APR-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41878-B/JPW/TEP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; TELEX: (212) 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
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Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

Qy 474 CGCGTCCACGGCTCCAGCCACGGGACACGGCGTGGCTGCGGTATCTCGAGCGCTCT 533
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Qy 534 GGCCACCGTCTGCTGGCGCTCTCATCTCTGTGTCTATCTATTGTAAGACAGAGTTTAT 593
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Qy 594 GGAGAGAAACCCAGCTGCTCTCGGTC 623
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RESULT 14

US-08-406-855A-5
; Sequence 5, Application US/08406855A
; Patent No. 5861309
; GENERAL INFORMATION:
; APPLICANT: Jonathan A. Bard et al.
; TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
; TITLE OF INVENTION: Receptors and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/406,855A
; FILING DATE: 21-AUG-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41337-A-PCT-US/JPW/KDB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526

INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
US-08-406-855A-5

Query Match 2.8%; Score 34.8; DB 2; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

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Db 635 CGAGGACGAGACCATCTGCGAGATCAACGAGAGCGGCGCTACGTGCTTCTTCAGCGCT 694

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Qy 594 GGAGAGAAACCCAGCTGCTCTCGGTC 623
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RESULT 15

US-08-722-190-5
; Sequence 5, Application US/08722190
; Patent No. 5990128
; GENERAL INFORMATION:

; APPLICANT: Charles Gluchowski, Carlos C. Porray, George
; APPLICANT: Chiu, Theresa A. Branchek, John M. Wetzel and Paul R. Hartig
; TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO
; TITLE OF INVENTION: TREAT BENIGN PROSTATIC HYPERPLASIA
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA: US/08/722,190
; APPLICATION NUMBER: US/08/722,190
; FILING DATE: 4-APR-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41878-D-PCT/JPW/AGL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX:

INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
US-08-722-190-5

Query Match 2.8%; Score 34.8; DB 2; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

Qy 474 CGCGTCCACGGCTCCAGCCACGGGACACGGCGTGGCTGCGGTATCTCGAGCGCTCT 533
Db 635 CGAGGACGAGACCATCTGCGAGATCAACGAGAGCGGCGCTACGTGCTTCTTCAGCGCT 694

Qy 534 GGCCACCGTCTGCTGGCGCTCTCATCTCTGTGTCTATCTATTGTAAGACAGAGTTTAT 593
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Qy 594 GGAGAGAAACCCAGCTGCTCTCGGTC 623
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Search completed: June 22, 2003, 21:32:31
Job time : 69.1442 secs

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OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 21:17:37 ; Search time 187.431 Seconds
(without alignments)

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Title: US-09-380-276A-1

Perfect score: 1251

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Scoring table: IDENTITY_NUC

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Searched: 1042519 seqs, 733713590 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1244.6	99.5	2870	9	US-10-174-590-473
5	1244.6	99.5	2870	9	US-10-176-758-473
6	1244.6	99.5	2870	9	US-10-173-737-473
7	1244.6	99.5	2870	9	US-10-173-706-473
8	1244.6	99.5	2870	9	US-10-175-738-473
9	1244.6	99.5	2870	9	US-10-175-752-473
10	1244.6	99.5	2870	9	US-10-176-482-473
11	1244.6	99.5	2870	9	US-10-176-757-473
12	1244.6	99.5	2870	9	US-10-178-913-473
13	1244.6	99.5	2870	9	US-10-180-552-473
14	1244.6	99.5	2870	9	US-10-180-557-473
15	1244.6	99.5	2870	9	US-10-173-700-473
16	1244.6	99.5	2870	9	US-10-174-572-473
17	1244.6	99.5	2870	9	US-10-174-579-473
18	1244.6	99.5	2870	9	US-10-174-582-473
19	1244.6	99.5	2870	9	US-10-174-588-473

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21 1244.6 99.5 2870 9 US-10-175-740-473 Sequence 473, App
22 1244.6 99.5 2870 9 US-10-175-743-473 Sequence 473, App
23 1244.6 99.5 2870 9 US-10-176-488-473 Sequence 473, App
24 1244.6 99.5 2870 9 US-10-176-492-473 Sequence 473, App
25 1244.6 99.5 2870 9 US-10-176-747-473 Sequence 473, App
26 1244.6 99.5 2870 9 US-10-176-750-473 Sequence 473, App
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39 1244.6 99.5 2870 9 US-10-174-586-473 Sequence 473, App
40 1244.6 99.5 2870 9 US-10-175-747-473 Sequence 473, App
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42 1244.6 99.5 2870 9 US-10-176-485-473 Sequence 473, App
43 1244.6 99.5 2870 9 US-10-176-487-473 Sequence 473, App
44 1244.6 99.5 2870 9 US-10-176-493-473 Sequence 473, App
45 1244.6 99.5 2870 9 US-10-176-756-473 Sequence 473, App

ALIGNMENTS

RESULT 1
US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US2002006896A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR FILING DATE: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1251)
US-09-780-532-1

Query Match 99.7%; Score 1247.8; DB 10; Length 1660;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1249; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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RESULT 2
US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US2002006896A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780.532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
US-09-780-532-3
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Query Match 99.5%; Score 1244.8; DB 10; Length 1325;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGATGCAAGCCCTCTCTGGACTGCGCAGTGGTGAACCGC 300
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QY 421 CCTCTCTCTCTTACGAACCGCACTGTGCCAGAGGTCAACCTCTGTAAGATCCGGTCC 480
Db 421 CCTCTCTCTCTTACGAACCGCACTGTGCCAGAGGTCAACCTCTGTAAGATCCGGTCC 480
QY 481 ACGGCTCTCCAGCCCAAGGACACGGCGCTGGCTGCTGCTTATCTGCAGCGCTCTGGCCACC 540
Db 481 ACGGCTCTCCAGCCCAAGGACACGGCGCTGGCTGCTGCTTATCTGCAGCGCTCTGGCCACC 540
QY 541 GTCTGTGGCCCTGCTGCTATCTGTGTGTCATCTATTGTAAAGACAGTATTAGGAGAAG 600
Db 541 GTCTGTGGCCCTGCTGCTATCTGTGTGTCATCTATTGTAAAGACAGTATTAGGAGAAG 600
QY 601 AAACCCAGCTGTCTCTGGGTCACAGGACATTTAGTACCAAGCTCTGAGCTGTCTGT 660
```

Db 601 AAACCCAGCTGGTCTCTCGGTGTCACAGGACATTCAGTACAAACGGCTCTGAGCTGCTGTT 660
Qy 661 CTTGACAGACTCAGCTCCAGAAATATGCCACAGAGCTGCTGCCAGTCCGCGTGAC 720
Db 661 CTTGACAGACTCAGCTCCAGAAATATGCCACAGAGCTGCTGCCAGTCCGCGTGAC 720
Qy 721 TCAGTGCAGACTCGGGCCGGTGGCTTGTCTCCATCCATGTCTGTGAGAGGCGCTGC 780
Db 721 TCAGTGCAGACTCGGGCCGGTGGCTTGTCTCCATCCATGTCTGTGAGAGGCGCTGC 780
Qy 781 AGCCCCAACCCGGGAGCTCTGGTGTGGGTGCATTCAGCAGCAGTCTTCAGGCAAGA 840
Db 781 AGCCCCAACCCGGGAGCTCTGGTGTGGGTGCATTCAGCAGCAGTCTTCAGGCAAGA 840
Qy 841 AACGAGCCCGAGCCGGGAGATGTCGCGACTTCTTCGGATCCCTCAGCAGTCCATC 900
Db 841 AACGAGCCCGAGCCGGGAGATGTCGCGACTTCTTCGGATCCCTCAGCAGTCCATC 900
Qy 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 960
Db 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 960
Qy 961 TCTTTTGTGACTCTTATCTCTGAACTCAATAGCAGTCAAGATTTGGTGGGCGCTGT 1020
Db 961 TCTTTTGTGACTCTTATCTCTGAACTCAATAGCAGTCAAGATTTGGTGGGCGCTGT 1020
Qy 1021 CTTGAAAGCTCAAGCTCTTGGATTCAAATAGCAGTCAAGATTTGGTGGGCGCTGT 1080
Db 1021 CTTGAAAGCTCAAGCTCTTGGATTCAAATAGCAGTCAAGATTTGGTGGGCGCTGT 1080
Qy 1081 CCAGTCCAGTCTCAATCTGAAACTTTTACAGCAGTCACTGATTTATCTAGATATAACAAC 1140
Db 1081 CCAGTCCAGTCTCAATCTGAAACTTTTACAGCAGTCACTGATTTATCTAGATATAACAAC 1140
Qy 1141 ACAGTGTAGATCAGATCAACTCAGATGCACTACTGATGAGAGCAGTACTAGATCAG 1200
Db 1141 ACAGTGTAGATCAGATCAACTCAGATGCACTACTGATGAGAGCAGTACTAGATCAG 1200
Qy 1201 GAGAGTGGCGTATCATCCAGCCAGCTCAGAGCTCCCTCCAGGAA 1248
Db 1201 GAGAGTGGCGTATCATCCAGCCAGCTCAGAGCTCCCTCCAGGTA 1248

RESULT 3

US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; EARLIER FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-114-893-120

Query Match 99.5%; Score 1244.8; DB 9; Length 1502;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 ATGCGTTTAAAGTGTCTATAGAACAGAGAAAAAGTTTTCATCTCTTTTAGTATTACTA 60
Db 51 ATGCGTTTAAAGTGTCTATAGAACAGAGAAAAAGTTTTCATCTCTTTTAGTATTACTA 110
Qy 61 GGCTATTTTGTTCATGTAAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 120
Db 111 GGCTATTTTGTTCATGTAAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 170
Qy 121 GATCGGTCTCGAAACATGTCTTCCCTGCAACAGTGTGGGCGAGGCATGGAGTGTCTTAAG 180
Db 171 GATCGGTCTCGAAACATGTCTTCCCTGCAACAGTGTGGGCGAGGCATGGAGTGTCTTAAG 230
Qy 181 GAATGTGGCTTTCGGCTATAGGGAGGATGCAACAGTGTGTGACGTGCGCGCTGCACAGGTTT 240
Db 231 GAATGTGGCTTTCGGCTATAGGGAGGATGCAACAGTGTGTGACGTGCGCGCTGCACAGGTTT 290
Qy 241 AAGGAGACTGGGGCTTCCAGAAATGCAAGCCCTGTCTGCACTGCCGAGTGGTGAACCGC 300
Db 291 AAGGAGACTGGGGCTTCCAGAAATGCAAGCCCTGTCTGCACTGCCGAGTGGTGAACCGC 350
Qy 301 TTTTCAGAGGCAAAATTTGTTCCAGCCAGTGTGCCATCTGCGGGGAGTGTCTTCCAGGA 360
Db 351 TTTTCAGAGGCAAAATTTGTTCCAGCCAGTGTGCCATCTGCGGGGAGTGTCTTCCAGGA 410
Qy 361 TTTTATAGGAAGCGAAATTTGTTGCGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGAC 420
Db 411 TTTTATAGGAAGCGAAATTTGTTGCGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGAC 470
Qy 421 CCTCTCTCTCTTACGACCGGCTGTGCCAGAGTGTGCAACCTCTGCAAGTGCCTGTC 480
Db 471 CCTCTCTCTCTTACGACCGGCTGTGCCAGAGTGTGCAACCTCTGCAAGTGCCTGTC 530
Qy 481 ACGGCTCTCAGCCGACCGGACACGGCGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
Db 531 ACGGCTCTCAGCCGACCGGACACGGCGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 590
Qy 541 GTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Db 591 GTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 650
Qy 601 AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAAACGGCTCTGAGCTGCTGCT 660
Db 651 AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAAACGGCTCTGAGCTGCTGCT 710
Qy 661 CTTGACAGACTCAGCTCCAGAAATATGCCACAGAGCTGCTGCCAGTCCGCGCGTGAC 720
Db 711 CTTGACAGACTCAGCTCCAGAAATATGCCACAGAGCTGCTGCCAGTCCGCGCGTGAC 770
Qy 721 TCAGTGCAGACTCGGGCCGGTGGCTTGTCTCCATCCATGTCTGTGAGAGGCGCTGC 780
Db 771 TCAGTGCAGACTCGGGCCGGTGGCTTGTCTCCATCCATGTCTGTGAGAGGCGCTGC 830
Qy 781 AGCCCCAACCCGGGAGCTCTGGTGTGGGTGCATTCAGCAGCAGTCTTCAGGCAAGA 840
Db 831 AGCCCCAACCCGGGAGCTCTGGTGTGGGTGCATTCAGCAGCAGTCTTCAGGCAAGA 890
Qy 841 AACGAGCCCGAGCCGGGAGATGTCGCGACTTCTTCGGATCCCTCAGCAGTCCATC 900
Db 891 AACGAGCCCGAGCCGGGAGATGTCGCGACTTCTTCGGATCCCTCAGCAGTCCATC 950
Qy 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 960
Db 951 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 1010
Qy 961 TCTTTTGTGACTCTTATCTGAACTCAATAGCAGTCAAGATTTGGTGGGCGCTGT 1020
Db 1011 TCTTTTGTGACTCTTATCTGAACTCAATAGCAGTCAAGATTTGGTGGGCGCTGT 1070

QY 1021 CTTGAAAGCTCAACCTCTTTGAGATCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
DB 1071 CTTGAAAGCTCAACGCTCTTTGAGATCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1130
QY 1081 CCAAGTCCAGTCTCATCTTGAAACCTTACAGCAGTCTAGATTTATCTAGATATAACAAC 1140
DB 1131 CAGTCCAGTCTCATCTTGAAACCTTACAGCAGTCTAGATTTATCTAGATATAACAAC 1190
QY 1141 ACATCGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1200
DB 1191 ACATCGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1250
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGCTGCCCTCCAGAA 1248
DB 1251 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGCTGCCCTCCAGGA 1298

RESULT 4

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0; Mismatches 4; Indels 0; Gaps 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 ATGGCTTTAAAGTGTCTACTAGAAACAAGAAAGCTTTTTCACCTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAAACAAGAAAGCTTTTTCACCTCTTTTAGTATTACTA 244
QY 61 GCGTATTGTCTATGTAAGTGTCTTTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GCGTATTGTCTATGTAAGTGTCTTTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAG 180
DB 305 GATCGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
DB 365 GAATGTGGCTTCGGCTATGGGAGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGTGTGAACCGC 300
DB 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGTGTGAACCGC 484
QY 301 TTTTCAGAGGCAAAATTTGTTTCAGCCACCAGTGTGATGCATCTGCGGGGACTGCTTGCAGGA 360

DB 485 TTTTCAGAGGCAAAATTTGTTTCAGCCACCAGTGTATGCCATCTGCGGGGACTGTTGCCAGGA 544
QY 361 TTTTATAGGAGAGCAAAATTTGTCGGCTTTTCAAGACATGAGAGTGTGTCCCTTGTGGAGAC 420
DB 545 TTTTATAGGAGAGCAAAATTTGTCGGCTTTTCAAGACATGAGAGTGTGTGCCCTTGTGGAGAC 604
QY 421 CCTCTCTCTTATAGAACCGCAGTGTGCCAGCAAGGTCAACCTCTGTGAGAGTCCGCTCC 480
DB 605 CCTCTCTCTTATAGAACCGCAGTGTGCCAGCAAGGTCAACCTCTGTGAGAGTCCGCTCC 664
QY 481 ACAGCTCTCCAGCCACCGGACACGGCGCTGCTGCCCTTATCTCGAGCGCTCTGGCCACC 540
DB 665 ACAGCTCTCCAGCCACCGGACACGGCGCTGCTGCCCTTATCTCGAGCGCTCTGGCCACC 724
QY 541 GTCTGTCTGGCCCTGTCTCATCTCTGTGTCACTATTGTATAGAGACAGTATTATGGAGAG 600
DB 725 GTCTGTCTGGCCCTGTCTCATCTCTGTGTCACTATTGTATAGAGACAGTATTATGGAGAG 784
QY 601 AAACCCAGCTGGTCTCTGCGGTCAAGACATTCAGTACACGGCTCTGAGCTGTCTGT 660
DB 785 AAACCCAGCTGGTCTCTGCGGTGCGAGACATTCAGTACACGGCTCTGAGCTGTCTGT 844
QY 661 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTGCCTGCGCTGAC 720
DB 845 TTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTGCCTGCGCTGAC 904
QY 721 TCAGTGCAGACCTGCGGGCGGTGCTGCTCCATCCATGCTGTGTGAGAGAGCCCTGTC 780
DB 905 TCAGTGCAGACCTGCGGGCGGTGCTGCTCCATCCATGCTGTGTGAGAGAGCCCTGTC 964
QY 781 AGCCCCAAACCCGCGGACTCTTGGTTGTGGGTGCATTTCTGCGAGCAGTCTTTCAGGCAAGA 840
DB 965 AGCCCCAAACCCGCGGACTCTTGGTTGTGGGTGCATTTCTGCGAGCAGTCTTTCAGGCAAGA 1024
QY 841 AACGAGGCCCGGAGAGTGTGCGGAGTGTGCGGAGTGTGCGGAGTGTGCGGAGTGTGCGGAG 900
DB 1025 AACGAGGCCCGGAGAGTGTGCGGAGTGTGCGGAGTGTGCGGAGTGTGCGGAGTGTGCGGAG 1084
QY 901 TGTGCGGAGTGTGAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGTGAGCAACATC 960
DB 1085 TGTGCGGAGTGTGAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGTGAGCAACATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTTCTCTCAATCCAGAA 1020
DB 1145 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTTCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTCTTTGGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
DB 1205 CTTGAAAGCTCAACGCTCTTTGGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
QY 1081 CCAAGTCCAGTCTCATCTGAAACCTTTTACAGCAGTCTAGTATTATCTAGATATAACAAC 1140
DB 1265 CCAAGTCCAGTCTCATCTGAAACCTTTTACAGCAGTCTAGTATTATCTAGATATAACAAC 1324
QY 1141 ACATGTGTAGATCAGATCAACTCAGGATGCACTACTAGAGCCAGCTAGATCAG 1200
DB 1325 ACATGTGTAGATCAGATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGCTGCCCTCCAGGAAGCT 1251
DB 1385 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGCTGCCCTCCAGGAAGCT 1435

RESULT 5

US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

Db 245 GCGTATTGTGTAAGTGAATCTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGGTCTGGAACATGTGTTCCCTGCAACAGAGTGTGGGCCAGGATGAGAGTTGTCTAAG 180
Db 305 GATCGGTCTGGAACATGTGTTCCCTGCAACAGAGTGTGGGCCAGGATGAGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGAGATGCAAGTGTGTGAAGTGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCAAGTGTGTGAAGTGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTCTGGACTGCGCAGTGTGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTCTGGACTGCGCAGTGTGTGAACCGC 484
QY 301 TTTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 544
QY 361 TTTTATAGGAAGCAAGAACTTCTCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 420
Db 545 TTTTATAGGAAGCAAGAACTTCTCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 604
QY 421 CCTCTCTCTCTTACGACCGCACTGTGCGCAGAGGTCAACCTCTGTAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTACGACCGCACTGTGCGCAGAGGTCAACCTCTGTAAGATCGCGTCC 664
QY 481 ACGGGCTCCAGCCCGGACAGCGCTGCGCTGCTGATCTGAGAGTCTGCGCCACC 540
Db 665 ACGGGCTCCAGCCCGGACAGCGCTGCGCTGCTGATCTGAGAGTCTGCGCCACC 724
QY 541 GTCTGTCTGGCTGCTCATCTCTGTGTGTCATCTATTTGAAGACAGAGTTTATGGAGAAG 600
Db 725 GTCTGTCTGGCTGCTCATCTCTGTGTGTCATCTATTTGAAGACAGAGTTTATGGAGAAG 784
QY 601 AAACCCAGCTGTCTCTGGGTACAGGACATTTCAAGTCAACCGCTCTGAGCTGTCTGT 660
Db 785 AAACCCAGCTGTCTCTGGGTACAGGACATTTCAAGTCAACCGCTCTGAGCTGTCTGT 844
QY 661 CTTCAGACACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGAGTGCAGCGCTGAC 720
Db 845 TTTTCAGACACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGAGTGCAGCGCTGAC 904
QY 721 TCAGTGCAGACCTGCGGCGGCTGTGCTCCATCCATGCTGTGAGAGAGCGCTGC 780
Db 905 TCAGTGCAGACCTGCGGCGGCTGTGCTCCATCCATGCTGTGAGAGAGCGCTGC 964
QY 781 AGCCCCAACCCGCGGACTCTTGTGTGTGGGTGCAATTTGCGAGCCAGTCTTCAGGCAAGA 840
Db 965 AGCCCCAACCCGCGGACTCTTGTGTGTGGGTGCAATTTGCGAGCCAGTCTTCAGGCAAGA 1024
QY 841 AACGCGAGCCCGGCGGAGATGTGCGGACTTTCTTCGGATCCCTCAGCAGTCCATC 900
Db 1025 AACGCGAGCCCGGCGGAGATGTGCGGACTTTCTTCGGATCCCTCAGCAGTCCATC 1084
QY 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGTATGCAAGATCCCATGSGGTGGAACAATC 960
Db 1085 TGTGGCGAGTTTTCAGATGCTGCGCTCTGTATGCAAGATCCCATGSGGTGGAACAATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTCATTTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTCATTTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTCTTTGGAATCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGGAATCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
QY 1081 CCAGTCCAGTCTCATTTCTGAAACTTTTACAGAGTCTGATTTATCTAGATATTAACAC 1140
Db 1265 CCAGTCCAGTCTCATTTCTGAAACTTTTACAGAGTCTGATTTATCTAGATATTAACAC 1324
QY 1141 ACAGTGGTAGATCAAGCTCAACTCAGGATGCACTAACTATTCAGAGAGCCAGCTAGATCAG 1200

Db 1325 ACATGCTAGTAATCAGATCAACTCAGATGCACTAATATGAGAACCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTGTCTATCCACCCAGCCACTCAGACGTCCTCTCCAGGAAGCT 1435
RESULT 7
US-10-173-706-473
; Sequence 473, Application US/10173706
; Publication No. US2003002229A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC7
; CURRENT APPLICATION NUMBER: US/10173706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-706-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 ATGCGCTTTAAAGTGTCTACTAGAACAGAGAAAAAGTTTTCCTCTTTTAGTATTACTA 60
Db 185 ATGCGCTTTAAAGTGTCTACTAGAACAGAGAAAAAGTTTTCCTCTTTTAGTATTACTA 244
QY 61 GCGTATTGTTCATGTAAAGTCACTGTGTGAACAGAGAGCTGTAGACAGCAAGAAATTCAGG 120
Db 245 GCGTATTGTTCATGTAAAGTCACTGTGTGAACAGAGAGCTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGGCTGGAAGTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 180
Db 305 GATCGGCTGGAAGTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTGTGTGAGCTGCGCAGTGGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTGTGAGCTGCGCAGTGGTGAACCGC 484
QY 301 TTTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 544
QY 361 TTTTATAGGAAGCAAGAACTTGTGCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 420
Db 545 TTTTATAGGAAGCAAGAACTTGTGCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 604
QY 421 CCTCTCTCTCTTACGACCGCACTGTGCGCAGAGGTCAACCTCTGTAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTACGACCGCACTGTGCGCAGAGGTCAACCTCTGTAAGATCGCGTCC 664
QY 481 ACGGCTCCAGCCCGGACAGCGGCTGCGCTGCTGATCTGAGAGTCTGCGCCACC 540

Db 1085 TGTGGCGAGTTTTCAGATGCGCTGGCTCTGATGCAAGATCCCATGGTGGTGACAAATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATTTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATTTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAAGCTTTTGAATCAATAGACAGTCAAGATTTGGTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAAGCTTTTGAATCAATAGACAGTCAAGATTTGGTGGTGGGCTGTT 1264
Qy 1081 CAGTCCAGTCTCATCTGAAACTTACAGCAGCTACTGATTTATCTAGATATAACAAC 1140
Db 1265 CAGTCCAGTCTCATCTGAAACTTACAGCAGCTACTGATTTATCTAGATATAACAAC 1324
Qy 1141 ACATGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1200
Db 1325 ACATGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCAGCCTCAGAGCTGCTCCCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTATCATCCACCAGCCTCAGAGCTGCTCCCTCCAGGAAGCT 1435

RESULT 9

US-10-175-752-473
; Sequence 473, Application US/10175752
; Publication No. US2003002295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deshoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; PRIORITY DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA 244
Qy 61 GCGTATTGTCATGTAAAGTGTCTAGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GCGTATTGTCATGTAAAGTGTCTAGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304
Qy 121 GATCGTCTGGAACATGTTCTCCCTGCAACAGTGTGGCCAGGATGAGTTGTCTAAG 180
Db 305 GATCGTCTGGAACATGTTCTCCCTGCAACAGTGTGGCCAGGATGAGTTGTCTAAG 364
Qy 181 GAATGTGGCTTCGGCTATGGGAGGATGACAGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGGATGACAGTGTGACGTGCGGCTGCACAGGTTTC 424

RESULT 10
US-10-176-482-473
; Sequence 473, Application US/10176482
; Publication No. US2003002296A1

Qy 241 AAGAGAGACTGGGCTTCCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGC 300
Db 425 AAGAGAGACTGGGCTTCCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGC 484
Qy 301 TTTTCAGAGGCAAAATTTGTTAGCCACAGTGTATGCCATCTGCGGGGAGTCTGTTGCCAGGA 360
Db 485 TTTTCAGAGGCAAAATTTGTTAGCCACAGTGTATGCCATCTGCGGGGAGTCTGTTGCCAGGA 544
Qy 361 TTTTATAGGAAGACGAAATTTGTCGGCTTTCAAGACATGAGATGAGTGTGCTGTTGGAGAC 420
Db 545 TTTTATAGGAAGACGAAATTTGTCGGCTTTCAAGACATGAGATGAGTGTGCTGTTGGAGAC 604
Qy 421 CTTCTCTCTTACGAAACCGCAGTGTGCGGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCT 480
Db 605 CTTCTCTCTTACGAAACCGCAGTGTGCGGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCT 664
Qy 481 ACAGCTCCAGCCACCGGACACCGGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCT 540
Db 665 ACAGCTCCAGCCACCGGACACCGGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCT 724
Qy 541 GTCTGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Db 725 GTCTGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 784
Qy 601 AAACCCAGCTGCTCTGCGGTCACAGACATTCAGTACACGCTCTGAGCTGCTGCTGCTGCTGCTGCT 660
Db 785 AAACCCAGCTGCTCTGCGGTCACAGACATTCAGTACACGCTCTGAGCTGCTGCTGCTGCTGCTGCT 844
Qy 661 CTTGACAGCTCAGCTCCAGCAATATGCCACAGAGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCT 720
Db 845 TTTGACAGCTCAGCTCCAGCAATATGCCACAGAGCTGCTGCGCTGCTGCGCTGCTGCGCTGCTGCGCT 904
Qy 721* TCAGTGCAGACTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
Db 905 TCAGTGCAGACTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 964
Qy 781 AGCCCAACCCGCGAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 965 AGCCCAACCCGCGAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1024
Qy 841 AACGAGCCCGGAGGAGTGGTCCGACTTTTTCGGATCCCTCACGAGTCCATC 900
Db 1025 AACGAGCCCGGAGGAGTGGTCCGACTTTTTCGGATCCCTCACGAGTCCATC 1084
Qy 901 TGTGCGAGTTTTCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Db 1085 TGTGCGAGTTTTCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1144
Qy 961 TCTTTTGTGACTCTTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Db 1145 TCTTTTGTGACTCTTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1204
Qy 1021 CTTGAAAGCTCAAGCTCTTTTGGATTTCAAAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAAGCTCTTTTGGATTTCAAAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1264
Qy 1081 CAGTCCAGTCTCATCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAAC 1140
Db 1265 CAGTCCAGTCTCATCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAAC 1324
Qy 1141 ACATGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1200
Db 1325 ACATGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCAGCCTCAGAGCTGCTCCCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTATCATCCACCAGCCTCAGAGCTGCTCCCTCCAGGAAGCT 1435

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-482-473

Query Match          99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 ATGGCTTTAAAGTCTACTAGAACAGAGAAAAGCTTTTTCACCTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTCTACTAGAACAGAGAAAAGCTTTTTCACCTCTTTTAGTATTACTA 244
Qy 61 GCCTATTGTTCATGTAAGTACTTGTGAACAGAGAGACTGTAGACACCAAGATTTCAGG 120
Db 245 GCCTATTGTTCATGTAAGTACTTGTGAACAGAGAGACTGTAGACACCAAGATTTCAGG 304
Qy 121 GATCGGCTGGAAACTGTGTTCCCTGCAACAGAGTGTGGGCCAGGCGATGGAGTTGCTAAG 180
Db 305 GATCGGCTGGAAACTGTGTTCCCTGCAACAGAGTGTGGGCCAGGCGATGGAGTTGCTAAG 364
Qy 181 GAATGTGCTTCGGCTATGGGAGAGATGCACAGTGTGTGAGTGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGCTTCGGCTATGGGAGAGATGCACAGTGTGTGAGTGTGCGGCTGCACAGGTTTC 424
Qy 241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGTGTAACCGC 300
Db 425 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGTGTAACCGC 484
Qy 301 TTTCAGAAAGCAAAATTTGTTACGCCACCAAGTATGCCATCTCTGGGGGACTGCTTGCCAGGA 360
Db 485 TTTCAGAAAGCAAAATTTGTTACGCCACCAAGTATGCCATCTCTGGGGGACTGCTTGCCAGGA 544
Qy 361 TTTTATAGAGACAAACTTGTGGCTTTCAAGACATGGAGTGTGCGCTTGTGGAGAC 420
Db 545 TTTTATAGAGACAAACTTGTGGCTTTCAAGACATGGAGTGTGCGCTTGTGGAGAC 604
Qy 421 CCTCTCTCTCTTACGAACCGCAGTGTGCGAGAGGTCACCTCGTGAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTACGAACCGCAGTGTGCGAGAGGTCACCTCGTGAAGATCGCGTCC 664
Qy 481 ACGGCTCCAGCCCAAGGAGACAGCGGCTGCGCTTATCTGAGCGCTCTGGCCACC 540
Db 665 ACGGCTCCAGCCCAAGGAGACAGCGGCTGCGCTTATCTGAGCGCTCTGGCCACC 724
Qy 541 GTCTCTGCGGCTGCTCTATCTCTGTGTCTATTTGTATAGAGACATTTATGAGAG 600
Db 725 GTCTCTGCGGCTGCTCTATCTCTGTGTCTATTTGTATAGAGACATTTATGAGAG 784
Qy 601 AAACCCAGCTGTCTCTCGGCTGCAGAGACATTTCAAGTACCAAGCTCTGAGCTGCGGT 660
Db 785 AAACCCAGCTGTCTCTCGGCTGCAGAGACATTTCAAGTACCAAGCTCTGAGCTGCGGT 844

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-757-473

Query Match          99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 661 CTTGACAGACCTCAGCTCCACGAATATGCCCCACAGAGCCTGCTGCCAGTCCGCCGCTGAC 720
Db 845 TTTTGACAGACCTCAGCTCCACGAATATGCCCCACAGAGCCTGCTGCCAGTCCGCCGCTGAC 904
Qy 721 TCAGTGCAGACCTCGGGCCGGTGGCTTGGCTCCCATCCATGCTGTGTGAGGAGGCTGTC 780
Db 905 TCAGTGCAGACCTCGGGCCGGTGGCTTGGCTCCCATCCATGCTGTGTGAGGAGGCTGTC 964
Qy 781 AGCCCCAAACCCGGCGACTCTTGGTGTGGGGTGCATTCTTCAGCCAGTCTTTCAGGCAAGA 840
Db 965 AGCCCCAAACCCGGCGACTCTTGGTGTGGGGTGCATTCTTCAGCCAGTCTTTCAGGCAAGA 1024
Qy 841 AAGCAGGCCAGCCGGGAGATGGTGGCCGACTTTTTCGGATCCCTTCAGCAGTCCATC 900
Db 1025 AAGCAGGCCAGCCGGGAGATGGTGGCCGACTTTTTCGGATCCCTTCAGCAGTCCATC 1084
Qy 901 TGTGGCGAGTTTCAGATGCTGCGCTCTGATGCAGATCCCATGGTGGTGCACCAATC 960
Db 1085 TGTGGCGAGTTTCAGATGCTGCGCTCTGATGCAGATCCCATGGTGGTGCACCAATC 1144
Qy 961 TCCTTTTGTGACTCTTATCTGAACTCACTGGGAGAGACATTTCATCTCTCAATCCAGAA 1020
Db 1145 TCCTTTTGTGACTCTTATCTGAACTCACTGGGAGAGACATTTCATCTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTTTTGGATTCAAATAGCAGTCAAGATTGGTTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTTTTGGATTCAAATAGCAGTCAAGATTGGTTGGTGGGCTGTT 1264
Qy 1081 CCAGTCCAGTCTCACTTCTGAAACTTTTACAGCAGTCTACTATTATCTAGATATAACAAC 1140
Db 1265 CCAGTCCAGTCTCACTTCTGAAACTTTTACAGCAGTCTACTATTATCTAGATATAACAAC 1324
Qy 1141 ACCTGTGTAAGTACAGCATCAACTCAGGATGCATTAATGAGAACCCAGCTAGATCAG 1200
Db 1325 ACCTGTGTAAGTACAGCATCAACTCAGGATGCATTAATGAGAACCCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGTCCTCCCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGTCCTCCCTCCAGGAAGCT 1435

RESULT 11
US-10-176-757-473
; Sequence 473, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-757-473

Query Match          99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
```

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 244
QY 61 GCCTATTGTCTAATGTAAGTCACTTGTGAACAGAGAGACTGTAGACACGAAGAAATTCAGG 120
Db 245 GCCTATTGTCTAATGTAAGTCACTTGTGAATCAGGAGACTGTAGACACGAAGAAATTCAGG 304
QY 121 GATCGGTCTGGAAACCTGTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGGAGTTGCTAAG 180
Db 305 GATCGGTCTGGAAACCTGTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGGAGTTGCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAAATGCAAGACCTGTCTGGACTGCGCAGTGGTGAACCGC 300
Db 484 AAGGAGGACTGGGGCTTCAGAAAATGCAAGACCTGTCTGGACTGCGCAGTGGTGAACCGC 484
QY 301 TTTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTCTGGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTCTGGGGGACTGCTTGCAGGA 544
QY 361 TTTTATAGAGAACGAACTTGTGGCTTTTCAAGCATGGAAGTGTGTGCTTTGTGGAGAC 420
Db 545 TTTTATAGAGAACGAACTTGTGGCTTTTCAAGCATGGAAGTGTGTGCTTTGTGGAGAC 604
QY 421 CCTCTCTCTCTTACGACCGCACTGTGCCAGCAAGTCAACCTCGTGAAGATCCGCTCC 480
Db 605 CCTCTCTCTCTTACGACCGCACTGTGCCAGCAAGTCAACCTCGTGAAGATCCGCTCC 664
QY 481 ACGGCTCTCAGCCCGGACACGGCTGTGGCTGCGCTTATCTGAGCGCTCTGCGCCACC 540
Db 665 ACGGCTCTCAGCCCGGACACGGCTGTGGCTGCGCTTATCTGAGCGCTCTGCGCCACC 724
QY 541 GTCTGTCTGGCTGTCTCTGTGTCTATCTATGTAAGACAGACAGTTATGAGAGAG 600
Db 725 GTCTGTCTGGCTGTCTCTGTGTCTATCTATGTAAGACAGACAGTTATGAGAGAG 784
QY 601 AAACCCAGCTGTCTCTGGGTTCAGAGACATTTCAAGTCAACGGCTCTGAGCTGTCTGT 660
Db 785 AAACCCAGCTGTCTCTGGGTTCAGAGACATTTCAAGTCAACGGCTCTGAGCTGTCTGT 844
QY 661 CTTCAGACACCTCAGCTCCACGAATATGCCACAGAGCCTGTGCGCAGTCCGCCCTGAC 720
Db 845 TTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCTGTGCGCAGTCCGCCCTGAC 904
QY 721 TCAGTGCAGACCTGCGGGCGGTGCGCTTCCATCCATCTGCTGTGAGGAGGCGCTGC 780
Db 905 TCAGTGCAGACCTGCGGGCGGTGCGCTTCCATCCATCTGCTGTGAGGAGGCGCTGC 964
QY 781 AGCCCCAACCCGCGCACTCTTGTGTGTGGGTGCAATTCGACGACAGTCTTCAGGCAAGA 840
Db 965 AGCCCCAACCCGCGCACTCTTGTGTGTGGGTGCAATTCGACGACAGTCTTCAGGCAAGA 1024
QY 841 AACGCGAGGCCAGCCGGGAGATGTTGCGGACTTTCTTCGATCCCTCAGCAGTCCATC 900
Db 1025 AACGCGAGGCCAGCCGGGAGATGTTGCGGACTTTCTTCGATCCCTCAGCAGTCCATC 1084
QY 901 TGTGGGAGTTTTCAGATGCTTGGCTCTGATGCAAGATCCATGGGTGGTGAACAATC 960
Db 1085 TGTGGGAGTTTTCAGATGCTTGGCTCTGATGCAAGATCCATGGGTGGTGAACAATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACCTCACTGGAGAGACATTCATTCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGACTCACTGGAGAGACATTCATTCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264

QY 1081 CCAGTCCAGTCTCATTTCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAAC 1140
Db 1265 CCAGTCCAGTCTCATTTCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAAC 1324
QY 1141 ACAGTGTAGAAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1200
Db 1325 ACAGTGTAGAAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGTATCATCTACCCAGCCAGCTCAGACGTCCTCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGTATCATCTACCCAGCCAGCTCAGACGTCCTCTCCAGGAAGCT 1435
RESULT 12
US-10-176-913-473
; Sequence 473, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-913-473
Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 244
QY 61 GCCTATTGTCTAATGTAAGTCACTTGTGAACAGAGAGACTGTAGACACGAAGAAATTCAGG 120
Db 245 GCCTATTGTCTAATGTAAGTCACTTGTGAATCAGGAGACTGTAGACACGAAGAAATTCAGG 304
QY 121 GATCGGTCTGGAAACCTGTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGGAGTTGCTAAG 180
Db 305 GATCGGTCTGGAAACCTGTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGGAGTTGCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAAATGCAAGACCTGTCTGGACTGCGGAGTGGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAAATGCAAGACCTGTCTGGACTGCGGAGTGGTGAACCGC 484
QY 301 TTTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTCTGGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTCTGGGGGACTGCTTGCAGGA 544
QY 361 TTTTATAGAGAACGAACTTGTGGCTTTTCAAGCATGGAAGTGTGTGCTTTGTGGAGAC 420
Db 545 TTTTATAGAGAACGAACTTGTGGCTTTTCAAGCATGGAAGTGTGTGCTTTGTGGAGAC 604

Qy	421	CCTCTCTCTCTTACGAACCGCACTGTGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC	480
Db	605	CCTCTCTCTCTTACGAACCGCACTGTGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC	664
Qy	481	ACGGCTCTCAGCCACCGGACACGGCGCTGGCTGCCGTATCTGCAAGCGTCTGGGCCACC	540
Db	665	ACGGCTCTCAGCCACCGGACACGGCGCTGGCTGCCGTATCTGCAAGCGTCTGGGCCACC	724
Qy	541	GTCTGTCTGGCCCTGCTCATCTCTGTGTGCATCTATTGTAAGAGACAGTTTATGGAGAAG	600
Db	725	GTCTGTCTGGCCCTGCTCATCTCTGTGTGCATCTATTGTAAGAGACAGTTTATGGAGAAG	784
Qy	601	AAACCCAGCTGGTCTCTGCGGTACAGACATTCAGTACAAAGGCTCTGAGCTGTCGTGT	660
Db	785	AAACCCAGCTGGTCTCTGCGGTCCAGGACATTCAGTACAAAGGCTCTGAGCTGTCGTGT	844
Qy	661	CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGTCCAGTGCCGCGCGTGAC	720
Db	845	TTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGTCCAGTGCCGCGCGTGAC	904
Qy	721	TCAGTCAGACCTCGCGGGCGGTGCTGTCCCATCCATGTGCTCTGTAGGAGGCGCTGC	780
Db	905	TCAGTCAGACCTCGCGGGCGGTGCTGTCCCATCCATGTGCTCTGTAGGAGGCGCTGC	964
Qy	781	AGCCCCAACCCGCGCACTCTTGGTGTGGGGTGCAATCTGCAGCCAGTCTTTCAGGCAAGA	840
Db	965	AGCCCCAACCCGCGCACTCTTGGTGTGGGGTGCAATCTGCAGCCAGTCTTTCAGGCAAGA	1024
Qy	841	AACGAGGCCGACGGGGAGATGGTGGCGACTTCTTCGGATCCCTCAGCAGTCCATC	900
Db	1025	AACGAGGCCGACGGGGAGATGGTGGCGACTTCTTCGGATCCCTCAGCAGTCCATC	1084
Qy	901	TGTGGCGAGTTTTCAGATGCGCTGGCTCTGATGCAGAAATCCATGGGTGGTGACAACATC	960
Db	1085	TGTGGCGAGTTTTCAGATGCGCTGGCTCTGATGCAGAAATCCATGGGTGGTGACAACATC	1144
Qy	961	TCITTTTTGTGACTCTTATCTCGAACTCACTGGAGAAGACATTCATCTCTCAATCCAGAA	1020
Db	1145	TCITTTTTGTGACTCTTATCTCGAACTCACTGGAGAAGACATTCATCTCTCAATCCAGAA	1204
Qy	1021	CTTGAAAGCTCAACGCTCTTTTGGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT	1080
Db	1205	CTTGAAAGCTCAACGCTCTTTTGGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT	1264
Qy	1081	CCAGTCAGTCTCATCTCGAAAACTTTTACGACGCTACTGATTTTATCTAGATATACAAC	1140
Db	1265	CCAGTCAGTCTCATCTCGAAAACTTTTACGACGCTACTGATTTTATCTAGATATACAAC	1324
Qy	1141	ACACTGGTAGAATCAGCATCAACTCAGGATGCATTAATATGAGAAGCCAGCTAGATCAG	1200
Db	1325	ACACTGGTAGAATCAGCATCAACTCAGGATGCATTAATATGAGAAGCCAGCTAGATCAG	1384
Qy	1201	GAGAGTGGCGTATCATCCACCCAGCCACTCAGACGTCCTCTCCAGGAAGCT	1251
Db	1385	GAGAGTGGCGTGTATCCACCCAGCCACTCAGACGTCCTCTCCAGGAAGCT	1445

RESULT 13

US-10-180-552-473

03-10-180-552-473
; Sequence 473, Application.US/10180552

; Sequence 473, Application: 03/10/2003
; Publication No. US20030022300A1

; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Aust

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin

```

; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1G153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-180-552-473

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QY 841 AACGAGGCCCCGCGGAGATGGTGGCAGACTTTCTTCGGATCCCTCAACGAGTCCATC 900
Db 1025 AACGAGGCCCCGCGGAGATGGTGGCAGACTTTCTTCGGATCCCTCAACGAGTCCATC 1084
QY 901 TGTGGCGAGTTTTCAGATGCTTGGCTCTGATGCGAATCCATCGGTGGTGCAACATC 960
Db 1085 TGTGGCGAGTTTTCAGATGCTTGGCTCTGATGCGAATCCATCGGTGGTGCAACATC 1144
QY 961 TCTTTTGTGACTCTTATCTCAACTCACTGGAGAAGACATTCATTCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTCAACTCACTGGAGAAGACATTCATTCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTTTTGGATTCAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTTTTGGATTCAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1264
QY 1081 CAGTCCAGTCTCATTCTGAAAACCTTACAGCAGCTACTGATTTATCTAGATATAACAA 1140
Db 1265 CAGTCCAGTCTCATTCTGAAAACCTTACAGCAGCTACTGATTTATCTAGATATAACAA 1324
QY 1141 ACACGTGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1200
Db 1325 ACACGTGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGTCCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGTCCTCCAGGAAGCT 1435

RESULT 14
US-10-180-557-473
; Sequence 473, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; PRIOR APPLICATION DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-180-557-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCATTCTGATGTAAGTACTTTGTGAAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GGCATTCTGATGTAAGTACTTTGTGAAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGTCTGGAACATGTCTCCCTGCAACCAAGTGTGGGCCAGGCAATGGATGTGCTAAG 180
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QY 305 GATCGGTCTGAAAACATGTGTTCCTCTGCAACACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATATGGGGAGGATGCAACAGTGTGTGACGTCCCGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATATGGGGAGGATGCAACAGTGTGTGACGTCCCGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGTGGGCTTCAGAAAATGCAAGCCCTGTCTGACTGCGAGCTGGTGAACCGC 300
Db 425 AAGGAGGACTGTGGGCTTCAGAAAATGCAAGCCCTGTCTGGAATCTGCGAGTGGTGAACCGC 484
QY 301 TTTTCAGAGGCAAAATTTTCAGCCACCAAGTATGCACTCTCGGGGAGCTGCTTGCACAGA 360
Db 485 TTTTCAGAGGCAAAATTTTCAGCCACCAAGTATGCACTCTCGGGGAGCTGCTTGCACAGA 544
QY 361 TTTTATAGAGAGACGAAAATTTGTGCGGCTTTCAAGACATGAGAGTGTGTGCTTTGGAGAC 420
Db 545 TTTTATAGAGAGACGAAAATTTGTGCGGCTTTCAAGACATGAGAGTGTGTGCTTTGGAGAC 604
QY 421 CCTCTCTCTTACGAAACCGCACTGTGCGCAGCAAGGTCAACCTCTGTGTAAGATCGCGTCC 480
Db 605 CCTCTCTCTTACGAAACCGCACTGTGCGCAGCAAGGTCAACCTCTGTGTAAGATCGCGTCC 664
QY 481 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTTATCTGACGCGCTCTGGCCACC 540
Db 665 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTTATCTGACGCGCTCTGGCCACC 724
QY 541 GTCTGTGTGGCCCTGCTCATCTCTGTGTCTATCTTGTAAAGACAGTATTATGGAGAG 600
Db 725 GTCTGTGTGGCCCTGCTCATCTCTGTGTCTATCTTGTAAAGACAGTATTATGGAGAG 784
QY 601 AAACCCAGCTGTCTCTGCGGTCAAGAGACATTCAGTACAACGGCTCTGAGCTGTCTGT 660
Db 785 AAACCCAGCTGTCTCTGCGGTCAAGAGACATTCAGTACAACGGCTCTGAGCTGTCTGT 844
QY 661 CTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTCTGCGCAGTCCGCGCTGAC 720
Db 845 TTTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTCTGCGCAGTCCGCGCTGAC 904
QY 721 TCAGTGCAGACCTCTGCGGCGGTGGCTTGTCTCCCATCTCATGTGTGTGAGAGGCGCTGC 780
Db 905 TCAGTGCAGACCTCTGCGGCGGTGGCTTGTCTCCCATCTCATGTGTGTGAGAGGCGCTGC 964
QY 781 AGCCCCAACCCGCGGAGCTCTTGGTGTGGGGTGCATCTTGCAGCAGCTCTTCAGGCAGA 840
Db 965 AGCCCCAACCCGCGGAGCTCTTGGTGTGGGGTGCATCTTGCAGCAGCTCTTCAGGCAGA 1024
QY 841 AACGAGGCCCCGCGGAGATGGTGGCAGACTTTCTTCGGATCCCTCAACGAGTCCATC 900
Db 1025 AACGAGGCCCCGCGGAGATGGTGGCAGACTTTCTTCGGATCCCTCAACGAGTCCATC 1084
QY 901 TGTGGCGAGTTTTCAGATGCTTGGCTCTGATGCGAATCCATCGGTGGTGAACAAATC 960
Db 1085 TGTGGCGAGTTTTCAGATGCTTGGCTCTGATGCGAATCCATCGGTGGTGAACAAATC 1144
QY 961 TCTTTTGTGACTCTTATCTCAACTCACTGGAGAAGACATTCATTCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTCAACTCACTGGAGAAGACATTCATTCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTTTTGGATTCAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTTTTGGATTCAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1264
QY 1081 CAGTCCAGTCTCATTCTGAAAACCTTTACAGCAGCTACTGATTTATCTAGATATAACAA 1140
Db 1265 CAGTCCAGTCTCATTCTGAAAACCTTTACAGCAGCTACTGATTTATCTAGATATAACAA 1324
QY 1141 ACACGTGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1200
Db 1325 ACACGTGGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGTCCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGTCCTCCAGGAAGCT 1435
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RESULT 15

US-10-173-700-473
; Sequence 473, Application US/10173700
; Publication No. US20030027262A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C14

; CURRENT APPLICATION NUMBER: US/10/173,700

; CURRENT FILING DATE: 2002-06-17

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 473

; LENGTH: 2870

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-173-700-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Db 185 ATGGCTTTAAAGTCTACTAGAACAGAGAAAAGTTTTCACCTCTTTTAGTATTACTA 244

Qy 61 GCGTATTGTGTCATGTAAGTACTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTTCAGG 120
Db 245 GCGTATTGTGTCATGTAAGTACTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTTCAGG 304

Qy 121 GATCGGTCTGGAACATGTGTTCCCTGCAACAGTGTGGGCCAGGCAATGGAGTTGTCTAAG 180
Db 305 GATCGGTCTGGAACATGTGTTCCCTGCAACAGTGTGGGCCAGGCAATGGAGTTGTCTAAG 364

Qy 181 GAAATGCTTCCGCTATGGGAGGATGCAAGTGTGTGACGTGCGGCTGCAAGGTTTC 240
Db 365 GAAATGCTTCCGCTATGGGAGGATGCAAGTGTGTGACGTGCGGCTGCAAGGTTTC 424

Qy 241 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTGCTGGACTGGCGAGTGGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTGCTGGACTGGCGAGTGGTGAACCGC 484

Qy 301 TTTTCAAGAGGCAAAATTTGTTCAAGCAACAGTGTGATGTCATCTGCGGGGACTGTGTCAGGA 360
Db 485 TTTTCAAGAGGCAAAATTTGTTCAAGCAACAGTGTGATGTCATCTGCGGGGACTGTGTCAGGA 544

Qy 361 TTTTATAGGAGACCAAACTGTGCGCTTTCAGACATGGAGTGTGTCCTTGTGGAGAC 420
Db 545 TTTTATAGGAGACCAAACTGTGCGCTTTCAGACATGGAGTGTGTCCTTGTGGAGAC 604

Qy 421 CCTCTCTCTCTTTCAGAACCGGCACTGTGCGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTTCAGAACCGGCACTGTGCGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC 664

Qy 481 ACGGCTCTCAGCCCAAGGACACGCGCTGCTGCGTTATCTGAGCGCTCTGCGCCACC 540
Db 665 ACGGCTCTCAGCCCAAGGACACGCGCTGCTGCGTTATCTGAGCGCTCTGCGCCACC 724

Qy 541 GTCTCTGCTGGCCCTGCTCATCTCTGTGTCTATTTAGAGACAGTTTATGGAGAG 600
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Db 725 GTCTGTGCTGGCCCTGCTCATCTCTGTGTGTCTATTTTAAAGACAGAGTTTATGGAGAAG 784
Qy 601 AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTGT 660
Db 785 AAACCCAGCTGGTCTCTGCGGTGCGAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTGT 844
Qy 661 CTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCTGTGCTGCGAGTCCGCGCTGAC 720
Db 845 TTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCTGTGCTGCGAGTCCGCGCTGAC 904
Qy 721 TCAGTGCAGACCTGCGGGCGGTGCGCTTCTCCATCCATCCATGCTGTGAGGAGGCTGTC 780
Db 905 TCAGTGCAGACCTGCGGGCGGTGCGCTTCTCCATCCATCCATGCTGTGAGGAGGCTGTC 964
Qy 781 AGCCCCAACCCCGCGACTCTTTGGTTGTGGGTGCAATTCCTGAGCCAGTCTTTCAGGCAAGA 840
Db 965 AGCCCCAACCCCGCGACTCTTTGGTTGTGGGTGCAATTCCTGAGCCAGTCTTTCAGGCAAGA 1024
Qy 841 AAGCAGGCCAGCCGCGGAGATGGTCCGACTTTCCTCGGATCCCTCAGCAGTCCATC 900
Db 1025 AAGCAGGCCAGCCGCGGAGATGGTCCGACTTTCCTCGGATCCCTCAGCAGTCCATC 1084
Qy 901 TGTGGCAGTTTTCAGATGCTGCGCTCTGATGAGCAATCCCATGGTGTGCAACATC 960
Db 1085 TGTGGCAGTTTTCAGATGCTGCGCTCTGATGAGCAATCCCATGGTGTGCAACATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTCATTTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTCATTTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTTGGATTTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGGATTTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
Qy 1081 CCAGTCCAGTCTCATTTCTGAAACTTTTACAGCAGTACTGATTTATCTAGATATAACAAC 1140
Db 1265 CCAGTCCAGTCTCATTTCTGAAACTTTTACAGCAGTACTGATTTATCTAGATATAACAAC 1324
Qy 1141 ACATGCTAGAAATCAGCATCAACTCAGGATGCACTAATATGAGAAGCCAGCTAGATCAG 1200
Db 1325 ACATGCTAGAAATCAGCATCAACTCAGGATGCACTAATATGAGAAGCCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGTATCATCCACCCAGCCCACTCAGACGTCCTTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGTATCATCCACCCAGCCCACTCAGACGTCCTTCCAGGAAGCT 1435
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Job time : 194.431 Secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 21:17:37 ; Search time 255.302 Seconds
(without alignments)
9794.263 Million cell updates/sec

Title: US-09-380-276A-2
Perfect score: 1704
Sequence: 1 gggacgtagactctccaa.....gaccagagtagatactttttc 1704

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:**

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
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- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1688.4	99.1	2870	9	US-10-174-590-473 Sequence 473, App
2	1688.4	99.1	2870	9	US-10-176-758-473 Sequence 473, App
3	1688.4	99.1	2870	9	US-10-175-737-473 Sequence 473, App
4	1688.4	99.1	2870	9	US-10-173-706-473 Sequence 473, App
5	1688.4	99.1	2870	9	US-10-175-738-473 Sequence 473, App
6	1688.4	99.1	2870	9	US-10-175-752-473 Sequence 473, App
7	1688.4	99.1	2870	9	US-10-176-482-473 Sequence 473, App
8	1688.4	99.1	2870	9	US-10-176-757-473 Sequence 473, App
9	1688.4	99.1	2870	9	US-10-176-913-473 Sequence 473, App
10	1688.4	99.1	2870	9	US-10-180-552-473 Sequence 473, App
11	1688.4	99.1	2870	9	US-10-180-557-473 Sequence 473, App
12	1688.4	99.1	2870	9	US-10-173-700-473 Sequence 473, App
13	1688.4	99.1	2870	9	US-10-174-572-473 Sequence 473, App
14	1688.4	99.1	2870	9	US-10-174-579-473 Sequence 473, App
15	1688.4	99.1	2870	9	US-10-174-582-473 Sequence 473, App
16	1688.4	99.1	2870	9	US-10-174-588-473 Sequence 473, App
17	1688.4	99.1	2870	9	US-10-175-739-473 Sequence 473, App
18	1688.4	99.1	2870	9	US-10-175-740-473 Sequence 473, App
19	1688.4	99.1	2870	9	US-10-175-743-473 Sequence 473, App

ALIGNMENTS

RESULT 1

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1

GENERAL INFORMATION:

- ; APPLICANT: Baker, Kevin P.
- ; APPLICANT: Chen, Jian
- ; APPLICANT: Desnoyers, Luc
- ; APPLICANT: Goddard, Audrey
- ; APPLICANT: Godowski, Paul J.
- ; APPLICANT: Gurney, Austin L.
- ; APPLICANT: Pan, James
- ; APPLICANT: Smith, Victoria
- ; APPLICANT: Watanabe, Colin K.
- ; APPLICANT: Wood, William I.
- ; APPLICANT: Zhang, Zemin
- ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
- ; TITLE OF INVENTION: ACIDS ENCODING THE SAME
- ; FILE REFERENCE: P3430R1C42
- ; CURRENT APPLICATION NUMBER: US/10/174,590
- ; CURRENT FILING DATE: 2002-06-18
- ; Prior application removed - See File Wrapper or Palm
- ; NUMBER OF SEQ ID NOS: 612
- ; SEQ ID NO 473
- ; LENGTH: 2870
- ; TYPE: DNA
- ; ORGANISM: Homo Sapien

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy	7	GTGAGCTCTCCACAATAATACATTTGATAAGAGATCGCTTTTAAAGTGCTACTAG 66
Db	147	GAGAGCTCTCCACAATAATACATTTGATAAGAGATCGCTTTTAAAGTGCTACTAG 206
Qy	67	AACAAGAGAAACGTTTTTTCACCTCTTTTAGTATTACTAGGCTATTGTGCTAAAGTGA 126
Db	207	AACAAGAGAAACGTTTTTTCACCTCTTTTAGTATTACTAGGCTATTGTGCTAAAGTGA 266
Qy	127	CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTCGAAACTGTGTTTC 186

Db 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAAACTGTGTTTC 326
QY 187 CTTGCAACCAAGTGTGGGCGAGGATGGAGTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
Db 327 CTTGCAACCAAGTGTGGGCGAGGATGGAGTGTCTAAGGAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGGATGGGGCTTCCAGA 306
Db 387 AGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGGATGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGAGCTGGGAGTGGTGAACCGCTTTCAGAAAGCAAAATGTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGAGCTGGGAGTGGTGAACCGCTTTCAGAAAGCAAAATGTTTCAG 506
QY 367 CACACAGTGTGATGTCATCTCGGGGACTGTCTGCGAGGATTTTATAGGAAGAGCAAACTTG 426
Db 507 CACACAGTGTGATGTCATCTCGGGGACTGTCTGCGAGGATTTTATAGGAAGAGCAAACTTG 566
QY 427 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCGC 626
QY 487 ACTGTGCGAGCAGGTCACCTCGTGAAGATCGCGTCCAGGCGCTCCAGCCACCGGACA 546
Db 627 ACTGTGCGAGCAGGTCACCTCGTGAAGATCGCGTCCAGGCGCTCCAGCCACCGGACA 686
QY 547 CGGCGCTGGCTGCGGCTTATCTGAGCGCTCTGCGCACCGCTCTGCGGCGCTGCTCATCC 606
Db 687 CGGCGCTGGCTGCGGCTTATCTGAGCGCTCTGCGCACCGCTCTGCGGCGCTGCTCATCC 746
QY 607 TCTGTGTATCTATTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGCTCTGCGGT 666
Db 747 TCTGTGTATCTATTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGCTCTGCGGT 806
QY 667 CACAGACATTCAGTACAGCGCTCTGAGCTGTGCTGCTTGCACAGACCTCAGCTCCAG 726
Db 807 CGAGGACATTCAGTACAGCGCTCTGAGCTGTGCTGCTTGCACAGACCTCAGCTCCAG 866
QY 727 AATATGCCACAGAGCTCTGCGAGTGGCGGCTGACCTCAGTGACAGCTCGGGGCGCG 786
Db 867 AATATGCCACAGAGCTCTGCGAGTGGCGGCTGACCTCAGTGACAGCTCGGGGCGCG 926
QY 787 TGGCTTGTCCATCCATGCTGTGAGAGGCTTGCAGGCGCCCAACCCGGGAGCTCTTG 846
Db 927 TGGCTTGTCCATCCATGCTGTGAGAGGCTTGCAGGCGCCCAACCCGGGAGCTCTTG 986
QY 847 GTTGTGGGCTGCAATCTGAGCGGCTTTCAGGAGAAACCGAGCCCGCGGGAGA 906
Db 987 GTTGTGGGCTGCAATCTGAGCGGCTTTCAGGAGAAACCGAGCCCGCGGGAGA 1046
QY 907 TGTGTGGGCTTCTTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
Db 1047 TGTGTGGGCTTCTTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
QY 967 GGCCTCTGATGAGAAATCCATGGGTGTGACAAATCTCTTTTGTGACTCTTATCTTG 1026
Db 1107 GGCCTCTGATGAGAAATCCATGGGTGTGACAAATCTCTTTTGTGACTCTTATCTTG 1166
QY 1027 AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTGG 1086
Db 1167 AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTGG 1226
QY 1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA 1286
QY 1147 ACTTTACAGAGCTACTGATTTATCTAGATATATAACACACACTGGTAGAATCAGCATCAA 1206
Db 1287 ACTTTACAGAGCTACTGATTTATCTAGATATATAACACACACTGGTAGAATCAGCATCAA 1346
QY 1207 CTCAGGATCAGTAACTATGAGAGCGCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266

Db 1347 CTCAGGATGCACTAACTATGAGAAAGCCAGCTAGATCAGGAGAGTGGCGCTGTCTATCCACC 1406
QY 1267 CAGCCACTCAGACGCTCCCTCCAGGAAGCTTAAAGAAACCTGTCTTTCTGCGAGTAGAAGC 1326
Db 1407 CAGCCACTCAGACGCTCCCTCCAGGAAGCTTAAAGAAACCTGTCTTTCTGCGAGTAGAAGC 1466
QY 1327 GTGTGCTGGAAACCCAAAGAGTACTCTTTGTTAGCTTTATGGACTGTGAGCAGTCTGGACCT 1386
Db 1467 GTGTGCTGGAAACCCAAAGAGTACTCTTTGTTAGCTTTATGGACTGTGAGCAGTCTGGACCT 1526
QY 1387 TGCATGGCTTCTGGGCAAAATAAATCTGAACCAAACTGACGCGCATTTGAAGCCTTTCA 1446
Db 1527 TGCATGGCTTCTGGGCAAAATAAATCTGAACCAAACTGACGCGCATTTGAAGCCTTTCA 1586
QY 1447 GCCAGTTCCTTCTGAGCCAGACCCAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1506
Db 1587 GCCAGTTCCTTCTGAGCCAGACCCAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1646
QY 1507 ACTCAGGCCAGCTCATGATACTCTGCACTTTTCTACATGAGAAAGCTTCTCTGCCACAA 1566
Db 1647 ACTCAGGCCAGCTCATGATACTCTGCACTTTTCTACATGAGAAAGCTTCTCTGCCACAA 1706
QY 1567 AAGTGACTTCAAGACGGATGGTTGAGCTGCGAGCCTATGAGATTGTGGACATATAACA 1626
Db 1767 AAGTGACTTCAAGACGGATGGTTGAGCTGCGAGCCTATGAGATTGTGGACATATAACA 1766
QY 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATTGTGGTTTACAAGACTGAAGA 1686
Db 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATTGTGGTTTACAAGACTGAAGA 1826
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RESULT 2

US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US2003008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 7 GTAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 66
Db 147 GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 206
QY 67 AACAGAGAAACGTTTTTCTACTCTTTTAGTATTACTAGGCTATTGTGTCATGTAAGTGA 126

Db 207 AACAGAGAAAAAGTCTTTTCACTCTTTAGTATTACTAGGCTATTGTGTCTGATAAGTGA 266
Qy 127 CTTGTGAACAGAGACTGTACAGACGAAGATTCCAGGGATCGTCTGGAACCTGTCTTC 186
Db 267 CTTGTGAATCAGAGACTGTACAGACGAAGATTCCAGGGATCGTCTGGAACCTGTCTTC 326
Qy 187 CTTGCAACAGAGTGTGGGCGAGGATCTGTAAGGAATGTGGCTTCGGCTATGGGG 246
Db 327 CTTGCAACAGAGTGTGGGCGAGGATCTGTAAGGAATGTGGCTTCGGCTATGGGG 386
Qy 247 AGATGACAGTGTGAGCTGCGGCTGACAGGTTTCAAGAGACTGGGGCTTCCAGA 306
Db 387 AGATGACAGTGTGAGCTGCGGCTGACAGGTTTCAAGAGACTGGGGCTTCCAGA 446
Qy 307 AATGCAAGCCCTGTCTGGAAGTGTGGCTGCAAGCCGTTTTCAGAGGCAAAATGCTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGAAGTGTGGCTGCAAGCCGTTTTCAGAGGCAAAATGCTTCAG 506
Qy 367 CCACCAAGTATGCCATCTGCGGGGAGTGTCTGCCAGGATTTTATAGGAAGACGAATCTTG 426
Db 507 CCACCAAGTATGCCATCTGCGGGGAGTGTCTGCCAGGATTTTATAGGAAGACGAATCTTG 566
Qy 427 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC 626
Qy 487 ACTGTGCCAGCAAGTCAACCTCTGAGATCGCTGCAAGCCGTTCCAGGCCCTCCAGGCCACCGGACA 546
Db 627 ACTGTGCCAGCAAGTCAACCTCTGAGATCGCTGCAAGCCGTTCCAGGCCCTCCAGGCCACCGGACA 686
Qy 547 CGGCGTGTGCTGCGGTATCTGAGCGCTCTGCGCACCGCTCTGCTGGCCCTGCTCATCC 606
Db 687 CGGCGTGTGCTGCGGTATCTGAGCGCTCTGCGCACCGCTCTGCTGGCCCTGCTCATCC 746
Qy 607 TCTGTGTCTATCTATTGTAAAGACAGTATTATGAGAGAGAAACCCAGCTGTCTCTGCGGT 666
Db 747 TCTGTGTCTATCTATTGTAAAGACAGTATTATGAGAGAGAAACCCAGCTGTCTCTGCGGT 806
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Db 807 CCGAGACATTCAGTACAGCGCTCTGAGCTGTCTGCTGCTTACAGACCTCAGCTCCAG 866
Qy 727 AATATGCCACAGAGCTCTGCGAGTGTGCGCGCTGACTCAGTGCAGAGCTCTGCGGCGCG 786
Db 867 AATATGCCACAGAGCTCTGCGAGTGTGCGCGCTGACTCAGTGCAGAGCTCTGCGGCGCG 926
Qy 787 TGGCTGTCTCCATCTCATCTGCTGAGAGGCTTGCAGGCCCTGAGCCCCAACCCGCGGACTCTTG 846
Db 927 TGGCTGTCTCCATCTCATCTGCTGAGAGGCTTGCAGGCCCTGAGCCCCAACCCGCGGACTCTTG 986
Qy 847 GTTGTGGGCTGATCTGAGCGAGTCTTTCAGGCAAGAACCCAGGCCCTGAGCCCCAACCCGCGGAG 906
Db 987 GTTGTGGGCTGATCTGAGCGAGTCTTTCAGGCAAGAACCCAGGCCCTGAGCCCCAACCCGCGGAG 1046
Qy 907 TGGTGGCGACTTTCTTCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
Db 1047 TGGTGGCGACTTTCTTCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
Qy 967 GGCCTCTGATGAGAAATCCATGGGTGGTGAACATCTCTTTTGTGATCTCTTATCTG 1026
Db 1107 GGCCTCTGATGAGAAATCCATGGGTGGTGAACATCTCTTTTGTGATCTCTTATCTG 1166
Qy 1027 AACTACTGAGAGACATTCATCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1086
Db 1167 AACTACTGAGAGACATTCATCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1226
Qy 1087 ATTCAATAGCAGTCAAGATTTGGTGGGGCTGTTCCAGTCCAGTCTCATCTTGAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTGGGGCTGTTCCAGTCCAGTCTCATCTGAA 1286
Qy 1147 ACTTTACAGAGCTACTGATTTATCTAGATATAACAACTGCTGGTGAATCAGCATCA 1206

Db 1287 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACTGCTGTAAGTCAAGATCA 1346
Qy 1207 CTCAGGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1406
Qy 1267 CAGCAGCTCAGAGCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTTCTGAGTAGAAGC 1326
Db 1407 CAGCAGCTCAGAGCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTTCTGAGTAGAAGC 1466
Qy 1327 GTGTGCTGGAACCCAAAGAGTACTCTCTTGTGTAGGCTTATGAGCTGAGCAGCTCTGGACCT 1386
Db 1467 GTGTGCTGGAACCCAAAGAGTACTCTCTTGTGTAGGCTTATGAGCTGAGCAGCTCTGGACCT 1526
Qy 1387 TGCATGGCTTCTGGGGCAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCTTTTCA 1446
Db 1527 TGCATGGCTTCTGGGGCAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCTTTTCA 1586
Qy 1447 GCCAGTTGCTTCTGAGCCAGACCCAGCTGTAAAGCTGAAACCTCAATGAATAACAAGAAAG 1506
Db 1587 GCCAGTTGCTTCTGAGCCAGACCCAGCTGTAAAGCTGAAACCTCAATGAATAACAAGAAAG 1646
Qy 1507 ACTCAGGCCAGCTCATGATACTCTGCATCTTTCTTCTACATCAGAGCTTCTTCCACAA 1566
Db 1647 ACTCAGGCCAGCTCATGATACTCTGCATCTTTCTTCTACATCAGAGCTTCTTCCACAA 1706
Qy 1567 AAGTGACTTCAAGACCGATGGTGTAGCTGGCAGCTTATGAGATTGGAACATATAACA 1626
Db 1707 AAGTGACTTCAAGACCGATGGTGTAGCTGGCAGCTTATGAGATTGGAACATATAACA 1766
Qy 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCAATGAGTGTGGTTTACAAGACTGAAGA 1686
Db 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCAATGAGTGTGGTTTACAAGACTGAAGA 1826
Qy 1687 CCCAGAGTATACTTTTTC 1704
Db 1827 CCCAGAGTATACTTTTTC 1844

RESULT 3
US-10-175-737-473
; Sequence 473, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-737-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 7 GTAGAACTCTCCAAACAATAATATATTGATAAGAAAGATGGCTTTTAAAGTGTACTAG 66

Db 147 GAAGAACTCTCCAACTAAATACATTTGATAGAAAGATGCGCTTAAAGTGCCTACTAG 206
Qy 67 AACAGAGAAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTCTATGTAAGTGA 126
Db 207 AACAGAGAAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTCTATGTAAGTGA 266
Qy 127 CTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAATCTGTTC 186
Db 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAATCTGTTC 326
Qy 187 CTTGCAACAGTGTGGCCAGGATGAGTGTCTAAGAAATGTGGCTTCGGCTATGGG 246
Db 327 CTTGCAACAGTGTGGCCAGGATGAGTGTCTAAGAAATGTGGCTTCGGCTATGGG 386
Qy 247 AGATGACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGAGAGATGCGGCTTCCAGA 306
Db 387 AGATGACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGAGAGATGCGGCTTCCAGA 446
Qy 307 AATGCAAGCCCTGTGTGAGCTGCGGCTGCACAGGTTTCAAGAGAGAAATGTGTTCAG 366
Db 447 AATGCAAGCCCTGTGTGAGCTGCGGCTGCACAGGTTTCAAGAGAGAAATGTGTTCAG 506
Qy 367 CCACAGTGTATGCCATCTCGGGGACTGCTTCCAGGATTTTATAGGAGAGCAACTTG 426
Db 507 CCACAGTGTATGCCATCTCGGGGACTGCTTCCAGGATTTTATAGGAGAGCAACTTG 566
Qy 427 TCGGCTTTCAAGACATGAGTGTGTGAGCTGCGGCTGCACAGGTTTCAAGAGAGCAACTTG 486
Db 567 TCGGCTTTCAAGACATGAGTGTGTGAGCTGCGGCTGCACAGGTTTCAAGAGAGCAACTTG 626
Qy 487 ACTGTGCCAGCAAGTCAACTGTGAGATCGGTGCAAGCTTCCAGGCTTCCAGGCTTCCAG 546
Db 627 ACTGTGCCAGCAAGTCAACTGTGAGATCGGTGCAAGCTTCCAGGCTTCCAGGCTTCCAG 686
Qy 547 CGGCGTGTGCTGCGGCTTATCTGAGGCTTGGCCAGCTGCTGCTGCGGCTTCCAGCTTCCAG 606
Db 687 CGGCGTGTGCTGCGGCTTATCTGAGGCTTGGCCAGCTGCTGCTGCGGCTTCCAGCTTCCAG 746
Qy 607 TCTGTGCTATCTATTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGCTCTGCGGT 666
Db 747 TCTGTGCTATCTATTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGCTCTGCGGT 806
Qy 667 CACAGACATTCAGTACAAAGCTCTGAGCTGTGCTGAGAGAGCTTCCAGAGCTTCCAGCTCAG 726
Db 807 CGCAGACATTCAGTACAAAGCTCTGAGCTGTGCTGAGAGAGCTTCCAGAGCTTCCAGCTCAG 866
Qy 727 AATATGCCACAGAGCTGCTGCGGCTGAGTGTGCTGAGAGAGCTTCCAGAGCTTCCAGCTCAG 786
Db 867 AATATGCCACAGAGCTGCTGCGGCTGAGTGTGCTGAGAGAGCTTCCAGAGCTTCCAGCTCAG 926
Qy 787 TGGCTTGTCTCCATCCATCTGCTGAGAGAGCTTCCAGAGCTTCCAGAGCTTCCAGCTCAG 846
Db 927 TGGCTTGTCTCCATCCATCTGCTGAGAGAGCTTCCAGAGCTTCCAGAGCTTCCAGCTCAG 986
Qy 847 GTTGTGGGTGCAATCTGAGCAGCTTCCAGAGAGCTTCCAGAGAGCTTCCAGAGCTTCCAGAG 906
Db 987 GTTGTGGGTGCAATCTGAGCAGCTTCCAGAGAGCTTCCAGAGAGCTTCCAGAGCTTCCAGAG 1046
Qy 907 TGGTGGCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTCGAGATTTTCCAGATGCTCCT 966
Db 1047 TGGTGGCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTCGAGATTTTCCAGATGCTCCT 1106
Qy 967 GGCCTCTGATGCAAGATCCCATGGGTGGTGACAACTCTCTTTTGTGACTCTTATCTCTG 1026
Db 1107 GGCCTCTGATGCAAGATCCCATGGGTGGTGACAACTCTCTTTTGTGACTCTTATCTCTG 1166
Qy 1027 AACTCACTGAGAGAGATTCATCTCTCATTCAGAACTTGAAGCTCAAGCTCTTTGG 1086
Db 1167 AACTCACTGAGAGAGATTCATCTCTCATTCAGAACTTGAAGCTCAAGCTCTTTGG 1226
Qy 1087 ATTCAATAGCAGTCAAGATTTGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTTCAAA 1146

Db 1227 ATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTTGAAA 1286
Qy 1147 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGCTGTAAGATCAGCATCAA 1206
Db 1287 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGCTGTAAGATCAGCATCAA 1346
Qy 1207 CTCAGGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1406
Qy 1267 CAGCCACTCAGAGCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTTCTGCAGTAGAAAGC 1326
Db 1407 CAGCCACTCAGAGCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTTCTGCAGTAGAAAGC 1466
Qy 1327 GTGTGCTGGAACCCAAAGAGTACTCTTTTGTAGGCTTATGAGCTGAGCAGTCTGGACCT 1386
Db 1467 GTGTGCTGGAACCCAAAGAGTACTCTTTTGTAGGCTTATGAGCTGAGCAGTCTGGACCT 1526
Qy 1387 TGCATGGCTTCTGGGCAAAAATAAATCTGAACCAAACTGACGCACTTGAAGCTTTTCA 1446
Db 1527 TGCATGGCTTCTGGGCAAAAATAAATCTGAACCAAACTGACGCACTTGAAGCTTTTCA 1586
Qy 1447 GCAGTGTCTTCTGAGCCAGACGAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1506
Db 1587 GCAGTGTCTTCTGAGCCAGACGAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1646
Qy 1507 ACTCAGCCGCACTCATGATCTCTGATCTTTTCTACATGAGAGCTTCTCTGCAACA 1566
Db 1647 ACTCAGCCGCACTCATGATCTCTGATCTTTTCTACATGAGAGCTTCTCTGCAACA 1706
Qy 1567 AAGTACCTCAAGACGAGTGGTTGAGCTGGCAGCTTATGAGATTTGGACATATAACA 1626
Db 1707 AAGTACCTCAAGACGAGTGGTTGAGCTGGCAGCTTATGAGATTTGGACATATAACA 1766
Qy 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCTGAGTGTGGTTTAAAGAGCTGAAAGA 1686
Db 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCTGAGTGTGGTTTAAAGAGCTGAAAGA 1826
Qy 1687 CCCAGATATATTTTTTTC 1704
Db 1827 CCCAGATATATTTTTTTC 1844

RESULT 4

US-10-173-706-473

; Sequence 473, Application US/10173706

; Publication No. US2003002293A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C7

; CURRENT APPLICATION NUMBER: US/10/173,706

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 473

; LENGTH: 2870

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-173-706-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;

; ORGANISM: Homo Sapien									
US-10-175-738-473									
Query Match 99.1%; Score 1688.4; DB 9; Length 2870;									
Best Local Similarity 99.6%; Pred. No. 0;									
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;									
QY	7	GTAGAACTCTCAACAAATTAATACATTTGATTAAGAAAGATGGCTTTAAAGTGCTACTAG	66						
DB	147	GAAGAACTCTCCAAACAAATTAATACATTTGATTAAGAAAGATGGCTTTAAAGTGCTACTAG	206						
QY	67	ACACAGAGAAACGTTTTCTCTTTAGTATTACTAGGCTATTGTCATGCTAAAGTGA	126						
DB	207	AAACAGAGAAACGTTTTCTCTTTAGTATTACTAGGCTATTGTCATGCTAAAGTGA	266						
QY	127	CTTTGTAAACAGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTCGAAACTGTGTTT	186						
DB	267	CTTTGTAAATCAGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTCGAAACTGTGTTT	326						
QY	187	CCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAGGAATGTGGCTTGGCTATGGGG	246						
DB	327	CCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAGGAATGTGGCTTGGCTATGGGG	386						
QY	247	AGGATGCAAGTGTGACGTCCGCTGCACAGTTTCAAGGAGACTGGGGCTTCCAGA	306						
DB	387	AGGATGCAAGTGTGACGTCCGCTGCACAGTTTCAAGGAGACTGGGGCTTCCAGA	446						
QY	307	AATGCAAGCCCTGTCTGGACTCGCAGTGGTGAACCGCTTTTCAAGGAGCAAAATTTTCAG	366						
DB	447	AATGCAAGCCCTGTCTGGACTCGCAGTGGTGAACCGCTTTTCAAGGAGCAAAATTTTCAG	506						
QY	367	CCACAGTATGTCATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTG	426						
DB	507	CCACAGTATGTCATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTG	566						
QY	427	TCGGCTTTCAAGACATGGAAGTGTGCTTTGTGGAGACCTCTCTCTCTTACGAACCGC	486						
DB	567	TCGGCTTTCAAGACATGGAAGTGTGCTTTGTGGAGACCTCTCTCTCTTACGAACCGC	626						
QY	487	ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCCAAGCCCTCCAGCCACCGGACA	546						
DB	627	ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCCAAGCCCTCCAGCCACCGGACA	686						
QY	547	CGGCGTGTGCTGCGTTATCTGAGCGCTCTGGCACCCTCTGCTGGCCCTGCTCATCC	606						
DB	687	CGGCGTGTGCTGCGTTATCTGAGCGCTCTGGCACCCTCTGCTGGCCCTGCTCATCC	746						
QY	607	TCGTGTCTATCTATTGTAAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT	666						
DB	747	TCGTGTCTATCTATTGTAAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT	806						
QY	667	CACAGGACATTCAGTACAAAGCTCTGAGCTGTGCTGTCTTGACAGACCTCAGCTCCAGC	726						
DB	807	CGCAGGACATTCAGTACAAAGCTCTGAGCTGTGCTGTCTTGACAGACCTCAGCTCCAGC	866						
QY	727	AATATGCCACAGAGCTGCTGAGTGGCGGCTGACTCAGTGAGAGCTCTGGGCGCGG	786						
DB	867	AATATGCCACAGAGCTGCTGAGTGGCGGCTGACTCAGTGAGAGCTCTGGGCGCGG	926						
QY	787	TGCGCTGTCTCCATCTGCTGTGAGGAGCCCTGACGCCCAACCCGGCGACTCTTTG	846						
DB	927	TGCGCTGTCTCCATCTGCTGTGAGGAGCCCTGACGCCCAACCCGGCGACTCTTTG	986						
QY	847	GTGTGGGTGTGATCTGAGCCAGCTTTTCAAGCAAGAAACGAGCCCGAGCGGGAGA	906						
DB	987	GTGTGGGTGTGATCTGAGCCAGCTTTTCAAGCAAGAAACGAGCCCGAGCGGGAGA	1046						
QY	907	TGTTGCCGACTTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGTGCCT	966						
DB	1047	TGTTGCCGACTTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGTGCCT	1106						
QY	967	GGCTCTGATGAGAAATCCATGGGTGGTGACAAATCTCTTTTGTGACTCTTATCTCTG	1026						

Db	1107	GGCCTCTGATGACAGATCCCATGGGTGGTGACAACTCTCTTTTGTGACTCTTATCTCTG	1166
QY	1027	AACCTACCTGGAGAGACATTCATTTCTCTCAATCAGAACTTTGAAAGCTCAACGCTTTTGG	1086
Db	1167	AACCTACCTGGAGAGACATTCATTTCTCTCAATCAGAACTTTGAAAGCTCAACGCTTTTGG	1226
QY	1087	ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGTCCAGTCCAGTCTCATCTGAAA	1146
Db	1227	ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGTCCAGTCTCATCTGAAA	1286
QY	1147	ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA	1206
Db	1287	ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA	1346
QY	1207	CTCAGGATGCACTAACTATAGAAAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC	1266
Db	1347	CTCAGGATGCACTAACTATAGAAAGCCAGCTAGATCAGGAGAGTGGCGCTGTCTATCCACC	1406
QY	1267	CAGCCACTCAGACGCTCCCTCCAGGAGCTTAAAGAACTTAAAGAACTTCTCTCTGAGTAGAAGC	1326
Db	1407	CAGCCACTCAGACGCTCCCTCCAGGAGCTTAAAGAACTTAAAGAACTTCTCTCTGAGTAGAAGC	1466
QY	1327	GTGTGCTGAAACCCAAAGAGTACTCTTTTGTAGGCTTATGAGCTGAGCAGTCTGGACCT	1386
Db	1467	GTGTGCTGAAACCCAAAGAGTACTCTTTTGTAGGCTTATGAGCTGAGCAGTCTGGACCT	1526
QY	1387	TGCATGGCTTCTGGGGCAAAAATAAATCTGAAACCAACTGACGGCATTTGAAGCCTTTTCA	1446
Db	1527	TGCATGGCTTCTGGGGCAAAAATAAATCTGAAACCAACTGACGGCATTTGAAGCCTTTTCA	1586
QY	1447	GCCAGTGTCTTCTGAGCCAGACCACTGTAAGCTGAAACCTCAATGAATACAGAAAG	1506
Db	1587	GCCAGTGTCTTCTGAGCCAGACCACTGTAAGCTGAAACCTCAATGAATACAGAAAG	1646
QY	1507	ACTCAGGCCGACTCATGATACTCTGCACTCTTCTTCTACATGAGAAAGCTTCTCTGCCAAA	1566
Db	1647	ACTCAGGCCGACTCATGATACTCTGCACTCTTCTTCTACATGAGAAAGCTTCTCTGCCAAA	1706
QY	1567	AAGTGACTTCAAGAGCGGATGGTGTGAGCTGGCAGCCTATGAGATTTGGGACATATAACA	1626
Db	1707	AAGTGACTTCAAGAGCGGATGGTGTGAGCTGGCAGCCTATGAGATTTGGGACATATAACA	1766
QY	1627	AGAACAGAAATGCCCTCATCTTATTTTCTATGTTGTTGTTTACAGAGACTGAAGA	1686
Db	1767	AGAACAGAAATGCCCTCATCTTATTTCTATGTTGTTGTTTACAGAGACTGAAGA	1826
QY	1687	CCCAGATATATCTTTTTC	1704
Db	1827	CCCAGATATATCTTTTTC	1844

RESULT 6
US-10-175-752-473
; Sequence 473, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm


```

; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-473

```

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0;

QY	7	GTAGAACTCTCCAAACAATAATACATTTTGATAGAAAGATGGCTTTAAAGTGCCTACTAG	66
Db	147	GAAGAACTCTCCAAACAATAATACATTTTGATAGAAAGATGGCTTTAAAGTGCCTACTAG	206
QY	67	AACAAGAGAAAAAGTTTTTCACCTCTTTTAGTATTACTAGGCTATTTGCTCATGTAAAGTGA	126
Db	207	AACAAGAGAAAAAGTTTTTCACCTCTTTTAGTATTACTAGGCTATTTGCTCATGTAAAGTGA	266
QY	127	CTTGTAAGAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTTCGGAACCTGTGTTTC	186
Db	267	CTTGTAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTTCGGAACCTGTGTTTC	326
QY	187	CCTGCAACCAAGTGTGGCCAGGCATGAGTTGCTAAGGAATGTGGCTTCGGCTATGGGG	246
Db	327	CCTGCAACCAAGTGTGGCCAGGCATGAGTTGCTAAGGAATGTGGCTTCGGCTATGGGG	386
QY	247	AGGATGCACAGTGTGCACGTGCCGGCTGCACAGTTTCAAGAGGAAGCTGGGGCTTCAGAA	306
Db	387	AGGATGCACAGTGTGCACGTGCCGGCTGCACAGTTTCAAGAGGAAGCTGGGGCTTCAGAA	446
QY	307	AATGCAAGCCCTGTCTCGAAGCTGCGCAAGTGTGGAACCGCTTTAGAAAGCAAAATGTTTCAG	366
Db	447	AATGCAAGCCCTGTCTCGAAGCTGCGCAAGTGTGGAACCGCTTTAGAAAGCAAAATGTTTCAG	506
QY	367	CCACCAAGTATGCCATCTCGGGGAGCTGTTGCCAGGATTTTATAGGAAGCAAGAACTTG	426
Db	507	CCACCAAGTATGCCATCTCGGGGAGCTGTTGCCAGGATTTTATAGGAAGCAAGAACTTG	566
QY	427	TCGGCTTTCAAGACATGAGAGTGTGCTGTTGTGGAGACCCCTCCTCTCTTTACGAAACCGC	486
Db	567	TCGGCTTTCAAGACATGAGAGTGTGCTGTTGTGGAGACCCCTCCTCTCTTTACGAAACCGC	626
QY	487	ACTGTGCCAGCAAGGTCAAACCTGTGAAGATCGGCTCCAGGCTCCAGCCACGGGACA	546
Db	627	ACTGTGCCAGCAAGGTCAAACCTGTGAAGATCGGCTCCAGGCTCCAGCCACGGGACA	686
QY	547	CGGCGCTGGGTCGCGTTATCTGCAGCGCTCTGGCCACGCTCTGCTGGCCCTGCTCATCC	606
Db	687	CGGCGCTGGGTCGCGTTATCTGCAGCGCTCTGGCCACGCTCTGCTGGCCCTGCTCATCC	746
QY	607	TCTGTGTCATCTATTGTAAGAGACAGTTTATGGAAGAAACCAGCTGGTCTCTGCGGT	666
Db	747	TCTGTGTCATCTATTGTAAGAGACAGTTTATGGAAGAAACCAGCTGGTCTCTGCGGT	806
QY	667	CACAGGACATTCAGTACAAAGGCTCTGAGCTGTGCTGTCTGTGACAGACTCAGTCCACG	726
Db	807	CGCAGGACATTCAGTACAAAGGCTCTGAGCTGTGCTGTCTGTGACAGACTCAGTCCACG	866
QY	727	AATATGCCCAAGAGCCCTGCTGCCAGTGCAGGCTGCTGAGTGCAGACTCAGTGGGGCGG	786
Db	867	AATATGCCCAAGAGCCCTGCTGCCAGTGCAGGCTGCTGAGTGCAGACTCAGTGGGGCGG	926
QY	787	TGCGCTTGCTCCCATCATGTGCTGTGAGGAGGCTCGAGCCCAACCCGGCGACTCTTG	846
Db	927	TGCGCTTGCTCCCATCATGTGCTGTGAGGAGGCTCGAGCCCAACCCGGCGACTCTTG	986
QY	847	GTTCGTGGGTGCATTTCTGCAGCCAGTCTTACGGAAGAAACCGAGGCCCCAGCCGGGAGA	906
Db	987	GTTCGTGGGTGCATTTCTGCAGCCAGTCTTACGGAAGAAACCGAGGCCCCAGCCGGGAGA	1046
QY	907	TGGTGCAGACTTTCTTCGGATCCCTCAGCGAGTCCATCTGTGGCGAGTTTTTCAGATGCCT	966

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; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-482-473

Query Match      99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      7 GTAGAACTCTCCAAATAAATACATTTGATGAAGAAGATGGCTTTAAAGTGCTACTAG 66
DB      147 GAAGAACTCTCCAAATAAATACATTTGATGAAGAAGATGGCTTTAAAGTGCTACTAG 206

QY      67 AACAGAGAAACGTTTTTCACTCTTTTATAGTATTACTAGGCTATTGTCATGTAAGTGA 126
DB      207 AACAGAGAAACGTTTTTCACTCTTTTATAGTATTACTAGGCTATTGTCATGTAAGTGA 266

QY      127 CTTGTGAACAGAGACTCTAGACAGCAAGAAATTCAGGATCGGTCTGGAACCTGTTTC 186
DB      267 CTTGTGAATCAGAGACTCTAGACAGCAAGAAATTCAGGATCGGTCTGGAACCTGTTTC 326

QY      187 CTTGCAACCAAGTGTGGGCGAGGATGAGTGTGCTAAGGAATGTGGCTTCGGCTATGGGG 246
DB      327 CTTGCAACCAAGTGTGGGCGAGGATGAGTGTGCTAAGGAATGTGGCTTCGGCTATGGGG 386

QY      247 AGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGCTTCCAGA 306
DB      387 AGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGCTTCCAGA 446

QY      307 AATGCAAGCCCTGTCTGGAATGCGAGTGTGGAACCGCTTTCAGAGGCAAAATTTGTCAG 366
DB      447 AATGCAAGCCCTGTCTGGAATGCGAGTGTGGAACCGCTTTCAGAGGCAAAATTTGTCAG 506

QY      367 CCACCAAGTGTGATGTCATCTGCGGGAATGCTGTGCGAGGATTTTATAGGAAGAGAACTTG 426
DB      507 CCACCAAGTGTGATGTCATCTGCGGGAATGCTGTGCGAGGATTTTATAGGAAGAGAACTTG 566

QY      427 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTCTCTCTCTCTCTCTCTCC 486
DB      567 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTCTCTCTCTCTCTCTCTCC 626

QY      487 ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCACGGCTCCAGGCCCTCCAGCCACGGGACA 546
DB      627 ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCACGGCTCCAGGCCCTCCAGCCACGGGACA 686

QY      547 CGGCGCTGGCTGCGGCTTATCTGACGGCTCTGCGCCACCGCTCTGCTGCGGCTGCTCTCTCTCC 606
DB      687 CGGCGCTGGCTGCGGCTTATCTGACGGCTCTGCGCCACCGCTCTGCTGCGGCTGCTCTCTCTCC 746

QY      607 TCTGTGTCTATCTATTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGCTCTCTCGGT 666
DB      747 TCTGTGTCTATCTATTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGCTCTCTCGGT 806

QY      667 CACAGGACATTCAGTACCAACGGCTCTGAGCTGTGCTGTGTCAGACCTTCAGCTCCACG 726
DB      807 CGCAGGACATTCAGTACCAACGGCTCTGAGCTGTGCTGTGTCAGACCTTCAGCTCCACG 866

QY      727 AATATGCCCAAGAGAGCTGCTGCGAGTGGCGCGTGAAGTCTGAGTGCAGAGCTGCGGCGCGG 786
DB      867 AATATGCCCAAGAGAGCTGCTGCGAGTGGCGCGTGAAGTCTGAGTGCAGAGCTGCGGCGCGG 926

QY      787 TGGCTTGTCTCCATTCATGCTGTGAGAGAGGCTTGCAGGCCCAACCCCGGCGACTCTTTG 846
DB      927 TGGCTTGTCTCCATTCATGCTGTGAGAGAGGCTTGCAGGCCCAACCCCGGCGACTCTTTG 986

QY      847 GTTGTGGGGTGCAATCTGACAGCCAGTCTTTCAGGCAAGAAACGACGAGCCCGGCGGAGA 906
DB      987 GTTGTGGGGTGCAATCTGACAGCCAGTCTTTCAGGCAAGAAACGACGAGCCCGGCGGAGA 1046

QY      907 TGGTGGCGACTTTCTTGGATCCCTCAGCAGTCCATCTGTGGGAGATTTTTCAGATGGCT 966
DB      1047 TGGTGGCGACTTTCTTGGATCCCTCAGCAGTCCATCTGTGGGAGATTTTTCAGATGGCT 1106

QY      967 GGCCTCTGATGCAGAAATCCCATGGGTGGTGACACATCTCTTTTGTGACCTCTTATCTG 1026
DB      1107 GGCCTCTGATGCAGAAATCCCATGGGTGGTGACACATCTCTTTTGTGACCTCTTATCTG 1166

QY      1027 AACTCAGTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1086
DB      1167 AACTCAGTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1226

QY      1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1146
DB      1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1286

QY      1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACAACACACACTGGTAGAATCAGCATCAA 1206
DB      1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACAACACACACTGGTAGAATCAGCATCAA 1346

QY      1207 CTCAGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
DB      1347 CTCAGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1406

QY      1267 CAGCCACTCAGACGTCCCTCCAGGAAGCTTAAAGAACCTGCTTTCTGTCAGTAGAAGC 1326
DB      1407 CAGCCACTCAGACGTCCCTCCAGGAAGCTTAAAGAACCTGCTTTCTGTCAGTAGAAGC 1466

QY      1327 GTGTCTGGAAACCCAAAGAGTACTCTTTGTTAGGCTTATGACCTGAGCAGCTCGACCT 1386
DB      1467 GTGTCTGGAAACCCAAAGAGTACTCTTTGTTAGGCTTATGACCTGAGCAGCTCGACCT 1526

QY      1387 TGCATGGCTTCTGGGGCAAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCCTTTTCA 1446
DB      1527 TGCATGGCTTCTGGGGCAAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCCTTTTCA 1586

QY      1447 GCCAGTGTCTTGAGCCAGCAGCAGCTGTAGCTGAAACCTCAATGAATTAACAAGAAAG 1506
DB      1587 GCCAGTGTCTTGAGCCAGCAGCAGCTGTAGCTGAAACCTCAATGAATTAACAAGAAAG 1646

QY      1507 ACTCAGCCGCACTCATGATCTCTGATCTTTCTTACATGAGAGCTTCTCTGCCACA 1566
DB      1647 ACTCAGCCGCACTCATGATCTCTGATCTTTCTTACATGAGAGCTTCTCTGCCACA 1706

QY      1567 AAGTGACTTCAAGAGCGGATGGTTGAGCTGGCAGCCTATGAGATTGTGGACATATAACA 1626
DB      1707 AAGTGACTTCAAGAGCTGATGGTTGAGCTGGCAGCCTATGAGATTGTGGACATATAACA 1766

QY      1627 AGAAAACAGAAATGCGCTCATGCTTATTTTCATGGTGTGTTTACAGACTGAAGA 1686
DB      1767 AGAAAACAGAAATGCGCTCATGCTTATTTTCATGGTGTGTTTACAGACTGAAGA 1826

QY      1687 CCCAGATATCTTTTTC 1704
DB      1827 CCCAGATATCTTTTTC 1844
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RESULT 8

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US-10-176-757-473
; Sequence 473, Application US/10176757
; Publication No. US2003002297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
```

```

; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; PRIOR FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-757-473

Query Match          99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 7PAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 66
DB 147 GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 206
QY 67 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTCATGTAAAGTGA 126
DB 207 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTCATGTAAAGTGA 266
QY 127 CTGTGAAACAGAGACTGTACACAGCAAGAAATTCAGGATCGGTCTGAAACTGTGTTC 186
DB 267 CTGTGAAATCAGAGACTGTACACAGCAAGAAATTCAGGATCGGTCTGAAACTGTGTTC 326
QY 187 CCTGCAACACAGTGTGGGCGAGCATGGAGTTGCTCTAAGGAAATGTGGCTTCGGCTATGGGG 246
DB 327 CCTGCAACACAGTGTGGGCGAGCATGGAGTTGCTCTAAGGAAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCAAGTGTGTGAGCTGCGGCTGCCAGAGTTCAAGAGAGACTGGGGCTTCCAGA 306
DB 387 AGGATGCAAGTGTGTGAGCTGCGGCTGCCAGAGTTCAAGAGAGACTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGAGCTCGCAGTGTGAAACCGCTTTTCAGAAAGCAAAATGCTTCAG 366
DB 447 AATGCAAGCCCTGTCTGGAGCTCGCAGTGTGAAACCGCTTTTCAGAAAGCAAAATGCTTCAG 506
QY 367 CCACAGTGTATCCATCTCTCGGGGACTGCTTCCAGGATTTTATAGGAGAGCAAACTTG 426
DB 507 CCACAGTGTATCCATCTCTCGGGGACTGCTTCCAGGATTTTATAGGAGAGCAAACTTG 566
QY 427 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCCCTCTCTCTTACGAAACCGC 486
DB 567 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCCCTCTCTCTTACGAAACCGC 626
QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCTTCAAGCCCTCCAGCCCGGAGCA 546
DB 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCTTCAAGCCCTCCAGCCCGGAGCA 686
QY 547 CGGCGCTGCTGCGGTATCTGAGCGCTCTGCGCAACCGCTCTGCTGCGCCCTGCTCATCC 606
DB 687 CGGCGCTGCTGCGGTATCTGAGCGCTCTGCGCAACCGCTCTGCTGCGCCCTGCTCATCC 746
QY 607 TCTGTGTCTATCTATTGTAAAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT 666
DB 747 TCTGTGTCTATCTATTGTAAAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT 806
QY 667 CACAGGACATTCAGTACCAAGCTCTGAGCTGTCTGCTGCTTGCACAGACTCAGCTCCAGG 726
DB 807 CCGAGGACATTCAGTACCAAGCTCTGAGCTGTCTGCTGCTTGCACAGACTCAGCTCCAGG 866
QY 727 AATATGCCACAGAGCTGCTGCCAGTGGCGGCTGACTCAGTGCAGAGCTGCGGGCGGG 786
DB 867 AATATGCCACAGAGCTGCTGCCAGTGGCGGCTGACTCAGTGCAGAGCTGCGGGCGGG 926
QY 787 TCGGCTGTCTCCATCCATGTCTGTGAGGAGGCTTGCAGGCCCAACCCGGGAGCTCTTG 846

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RESULT 9
US-10-176-913-473
; Sequence 473, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

```

DB 927 TGGCTTTGCTCCCATCCATGTGTGTGAGGAGGCTCGCAGCCCAACCCGCGAGCTCTTG 986
QY 847 GTTGTGGGGTGCAATTTCTGACGAGCTCTTCAAGCAAGAAACGAGCCGAGCCGCGGAGA 906
DB 987 GTTGTGGGGTGCAATTTCTGACGAGCTCTTCAAGCAAGAAACGAGCCGAGCCGCGGAGA 1046
QY 907 TGGTGGCGAGCTTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
DB 1047 TGGTGGCGAGCTTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
QY 967 GGCCTCTGATGCAGAAATCCCATGGGTGGTGAACAACATCTCTTTTGTGACTCTTATCCTG 1026
DB 1107 GGCCTCTGATGCAGAAATCCCATGGGTGGTGAACAACATCTCTTTTGTGACTCTTATCCTG 1166
QY 1027 AACTCAGCTGGAGAGACAATTCATTTCTCAATCAGAACTTGAAGCTCAACGCTCTTGG 1086
DB 1167 AACTCAGCTGGAGAGACAATTCATTTCTCAATCAGAACTTGAAGCTCAACGCTCTTGG 1226
QY 1087 ATTCAAAATAGCAGTCAAGATTTGGTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1146
DB 1227 ATTCAAAATAGCAGTCAAGATTTGGTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1286
QY 1147 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1206
DB 1287 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1346
QY 1207 CTGAGGATGCACTAACTATGAGAGCCAGCTAGATCAGGAGAGTGGGCTATCATCCACC 1266
DB 1347 CTGAGGATGCACTAACTATGAGAGCCAGCTAGATCAGGAGAGTGGGCTATCATCCACC 1406
QY 1267 CAGCCACTCAGACGCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTGTCAGTAGAAGC 1326
DB 1407 CAGCCACTCAGACGCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTGTCAGTAGAAGC 1466
QY 1327 GTGTGCTGGAAACCAAGAGTACTCTTGTGTAGCTTATGGAATGAGCAGTCTGGACCT 1386
DB 1467 GTGTGCTGGAAACCAAGAGTACTCTTGTGTAGCTTATGGAATGAGCAGTCTGGACCT 1526
QY 1387 TGCATGGCTTCTGGGCGAAATAAATAAATCTGAAACCAAACTGACGGCATTTGAAGCTTTCA 1446
DB 1527 TGCATGGCTTCTGGGCGAAATAAATAAATCTGAAACCAAACTGACGGCATTTGAAGCTTTCA 1586
QY 1447 GCCAGTGTCTTCTGAGCCAGACGAGTGTAGCTGAAACCTCAATGAATAACAAGAAAG 1506
DB 1587 GCCAGTGTCTTCTGAGCCAGACGAGTGTAGCTGAAACCTCAATGAATAACAAGAAAG 1646
QY 1507 ACTCAGGCCGAGCTCATGATCTCTGCATCTTTCTCTACATGAGAGCTTCTCTGCCACA 1566
DB 1647 ACTCAGGCCGAGCTCATGATCTCTGCATCTTTCTCTACATGAGAGCTTCTCTGCCACA 1706
QY 1567 AAGTGACTTCAAAGACGAGTGGGTGGAGCTGGCAGCCCTATGAGATTGTGGACATATAACA 1626
DB 1707 AAGTGACTTCAAAGACGAGTGGGTGGAGCTGGCAGCCCTATGAGATTGTGGACATATAACA 1766
QY 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCATGTGATTTGTGGTTTACAGACTGAAGA 1686
DB 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCATGTGATTTGTGGTTTACAGACTGAAGA 1826
QY 1687 CCCAGAGTATATCTTTTTC 1704
DB 1827 CCCAGAGTATATCTTTTTC 1844

```

APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P34301C66
CURRENT APPLICATION NUMBER: US/10/176,913
CURRENT FILING DATE: 2002-06-20
Prior Application removed - See file Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 473
LENGTH: 2870
TYPE: DNA
ORGANISM: Homo Sapien
US-10-176-913-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCCACAAATATACATTTGATAGAAAGATGCTTTAAAGTGCTACTAG 66
DB 147 GAAGAACTCCACAAATATATACATTTGATAGAAAGATGCTTTAAAGTGCTACTAG 206

QY 67 AACAGAGAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTCTATGTAAGTGA 126
DB 207 AACAGAGAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTCTATGTAAGTGA 266

QY 127 CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAATCTGTTTC 186
DB 267 CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAATCTGTTTC 326

QY 187 CCTGCAACAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 246
DB 327 CCTGCAACAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 386

QY 247 AGGATGCAAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 306
DB 387 AGGATGCAAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 446

QY 307 AATGCAAGCCTGTCTGGAAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGG 366
DB 447 AATGCAAGCCTGTCTGGAAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGG 506

QY 367 CCACCAAGTATGCTGCTGCGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 426
DB 507 CCACCAAGTATGCTGCTGCGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 566

QY 427 TCGGCTTTCAAGACATGGAAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGG 486
DB 567 TCGGCTTTCAAGACATGGAAGCTGTGGGCGAGGATGCTTCAAGAAATGTGGCTTCGGG 626

QY 487 ACTGTGCCAGCAAGGCTCAACTCGTGAAGATCGGCTCCAGGCTTCAGGCCACCGGACA 546
DB 627 ACTGTGCCAGCAAGGCTCAACTCGTGAAGATCGGCTCCAGGCTTCAGGCCACCGGACA 686

QY 547 CGGCGCTGCGCTGCTTATGCGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 606
DB 687 CGGCGCTGCGCTGCTTATGCGGCGAGGATGCTTCAAGAAATGTGGCTTCGGCTATGGG 746

QY 607 TCTGTGCTATCTATTGTAAGAGACAGTTTATGAGAGAAAGAACCCAGCTGCTCTCGGGT 666
DB 747 TCTGTGCTATCTATTGTAAGAGACAGTTTATGAGAGAAAGAACCCAGCTGCTCTCGGGT 806

QY 667 CACAGGACATTCAGTAAAGGCTGTAGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 726
DB 807 CGCAGGACATTCAGTAAAGGCTGTAGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 866

QY 727 AATATGCCACAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 786

RESULT 10

US-10-180-552-473
; Sequence 473, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

DB 867 AATATGCCACAGAGCCTGCTGCCAGTCCGCCGCTGACTCAGTCAGAGACCTGCGGGCGG 926
QY 787 TCGGCTTGTCTCCCATCCATGTGCTGTGAGGAGGCTGCAGCCCCAACCCGCGCTCTTTG 846
DB 927 TCGGCTTGTCTCCCATCCATGTGCTGTGAGGAGGCTGCAGCCCCAACCCGCGCTCTTTG 986
QY 847 GTTGTGGGCTGCATCTGCAGCCAGTCTTCAGGCAAGAAACGCGAGCCCGCGGGAGA 906
DB 987 GTTGTGGGCTGCATCTTCAGCCAGTCTTCAGGCAAGAAACGCGAGCCCGCGGGAGA 1046
QY 907 TGGTCCGACCTTCTTGGGATCCCTCAGCAGTCCATCTGTGGGAGTCTTTCAGATGCT 966
DB 1047 TGGTCCGACCTTCTTGGGATCCCTCAGCAGTCCATCTGTGGGAGTCTTTCAGATGCT 1106
QY 967 GGCCTCTGATGCAGAAATCCCATGGGTGGTGAACAATCTCTTTTGTGACTCTTATCTG 1026
DB 1107 GGCCTCTGATGCAGAAATCCCATGGGTGGTGGTGAACAATCTCTTTTGTGACTCTTATCTG 1166
QY 1027 AACTCAGTGGAGAGACATTCATCTCTCAATCAGAACTTGAAGCTCAACGCTCTTTGG 1086
DB 1167 AACTCAGTGGAGAGACATTCATCTCTCAATCAGAACTTGAAGCTCAACGCTCTTTGG 1226
QY 1087 ATTCAAAATAGCAGTCAAGATTTGGTGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA 1146
DB 1227 ATTCAAAATAGCAGTCAAGATTTGGTGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA 1286
QY 1147 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1206
DB 1287 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1346
QY 1207 CTCAGGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1266
DB 1347 CTCAGGATGCACTAACTATGAGAACCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1406
QY 1267 CAGCCACTCAGAGCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTTCTGCACTAGAAAGC 1326
DB 1407 CAGCCACTCAGAGCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTTCTGCACTAGAAAGC 1466
QY 1327 GTGTGCTGGAACCCAAAGAGTACTCCTTTGTAGGCTTATGAGCTGAGCAGTCTGGAACCT 1526
DB 1467 GTGTGCTGGAACCCAAAGAGTACTCCTTTGTAGGCTTATGAGCTGAGCAGTCTGGAACCT 1586
QY 1387 TGCATGGCTTCTGGGCGAAATTAATCTGAACCAACTGACGCGCATTTGAAGCCTTTCA 1446
DB 1527 TGCATGGCTTCTGGGCGAAATTAATCTGAACCAACTGACGCGCATTTGAAGCCTTTCA 1586
QY 1447 GCAGTGTCTTCTGAGCCAGACCCAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1506
DB 1587 GCAGTGTCTTCTGAGCCAGACCCAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1646
QY 1507 ACTCAGGCCGAGCTCATGATCTCTGCACTTTTCTTCTAATGAGAAAGCTTCTCTGCCCAA 1566
DB 1647 ACTCAGGCCGAGCTCATGATCTCTGCACTTTTCTTCTAATGAGAAAGCTTCTCTGCCCAA 1706
QY 1567 AAGTCACTTCAAGACGATGGTGTAGCTGGCAGCTTATGAGATTTGGACATATAACA 1626
DB 1707 AAGTCACTTCAAGACGATGGTGTAGCTGGCAGCTTATGAGATTTGGACATATAACA 1766
QY 1627 AGAAACAGAAATGCGCTCATGCTTATTTTCAATGTTGTTGTTTCAAGACTGAAGA 1686
DB 1767 AGAAACAGAAATGCGCTCATGCTTATTTTCAATGTTGTTGTTTCAAGACTGAAGA 1826
QY 1687 CCCAGAGTATCTTTTTC 1704
DB 1827 CCCAGAGTATCTTTTTC 1844

APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430RIC153
CURRENT APPLICATION NUMBER: US/10/180,552
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 473
LENGTH: 2870
TYPE: DNA
ORGANISM: Homo Sapien
US-10-180-552-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCCCAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 66
DB 147 GAAGAACTCTCCACAAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 206

QY 67 AACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGCTAAAGTGA 126
DB 207 AACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGCTAAAGTGA 266

QY 127 CTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTT 186
DB 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTT 326

QY 187 CTTGCAACAGTGTGGGCGAGCATGTGAGTTGCTTAAGAAATGTGGCTTCGGCTATGGG 246
DB 327 CTTGCAACAGTGTGGGCGAGCATGTGAGTTGCTTAAGAAATGTGGCTTCGGCTATGGG 386

QY 247 AGGATGCAAGTGTGTGAGTGTGGGCTGCAAGTTCAAGAGAGACTGGGCTTCCAGA 306
DB 387 AGGATGCAAGTGTGTGAGTGTGGGCTGCAAGTTCAAGAGAGACTGGGCTTCCAGA 446

QY 307 ANTGAAGCCCTGTCTGGACTGGCAGTGGTGAAACCGCTTTCAGAAAGCAAAATTTGTT 366
DB 447 ANTGAAGCCCTGTCTGGACTGGCAGTGGTGAAACCGCTTTCAGAAAGCAAAATTTGTT 506

QY 367 CCACCAAGTATGCCATCTGCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAACTTG 426
DB 507 CCACCAAGTATGCCATCTGCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAACTTG 566

QY 427 TCGGCTTTCAAGACATGAGTGTGTGCTTTGTGGAGACCTCCTCTCTTACGAACCGC 486
DB 567 TCGGCTTTCAAGACATGAGTGTGTGCTTTGTGGAGACCTCCTCTCTTACGAACCGC 626

QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGGCTTCCAGGCTTCCAGCCCAAGGACA 546
DB 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGGCTTCCAGGCTTCCAGCCCAAGGACA 686

QY 547 CGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 606
DB 687 CGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 746

QY 607 TCTGTGCTATCTATTGTAGAGACATGTTTATGGAGAGAAACCCAGCTGGTCTCTGCGGT 666
DB 747 TCTGTGCTATCTATTGTAGAGACATGTTTATGGAGAGAAACCCAGCTGGTCTCTGCGGT 806

QY 667 CACAGGACATTCAGTACAAAGCTCTGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 726

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; Sequence 473, Application us/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-180-557-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCTCAACAAATAATACATTTGATAGAAAGATGGCTTTAAAGTGCTACTAG 66
DB 147 GAAGAACTCTCAACAAATAATACATTTGATAGAAAGATGGCTTTAAAGTGCTACTAG 206
QY 67 AACAGAGAAAGCTTTTCACTCTTTTAGTACTAGGCTATTTGTCATGTAAGTGA 126
DB 207 AACAGAGAAAGCTTTTCACTCTTTTAGTACTAGGCTATTTGTCATGTAAGTGA 266
QY 127 CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTTC 186
DB 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTTC 326
QY 187 CTGTCAACCAAGTGTGGGCGAGGATGGAGTTGTCTAAGGAATGTGGCTTCGCGTATGGGG 246
DB 327 CTGTCAACCAAGTGTGGGCGAGGATGGAGTTGTCTAAGGAATGTGGCTTCGCGTATGGGG 386
QY 247 AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 306
DB 387 AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGGACTGCGCAGTGGTGAACCGCTTTTCAAGAGGCAAAATTTGTTTCAG 366
DB 447 AATGCAAGCCCTGTCTGGGACTGCGCAGTGGTGAACCGCTTTTCAAGAGGCAAAATTTGTTTCAG 506
QY 367 CACCAAGTAGTGCATCTCGGGGGAATGCTTTCAGGAGATTTTATAGGAAGAGCAAACTTGG 426
DB 507 CCACCAAGTAGTGCATCTCGGGGGAATGCTTTCAGGAGATTTTATAGGAAGAGCAAACTTGG 566
QY 427 TCGGCTTTCAAGACATGGAGTGTGCTGCTTGTGGAGACCCCTCTCTCTTACGAACCCG 486
DB 567 TCGGCTTTCAAGACATGGAGTGTGCTGCTTGTGGAGACCCCTCTCTCTTACGAACCCG 626
QY 487 ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGGCTCCAGGCCCCACGGGACA 546
DB 627 ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGGCTCCAGGCCCCACGGGACA 686
QY 547 CGGCGCTGGGTCGGTATCTGAGCGCTCTGGGCAACCGTCTGCTGGGCGCTGCTCATCC 606
DB 687 CGGCGCTGGGTCGGTATCTGAGCGCTCTGGGCAACCGTCTGCTGGGCGCTGCTCATCC 746
QY 607 TCTGTGTCTATCTATTCTAAGAGACAGTTTATGAGAGAAACCCAGCTGTCTCTCGGCT 666
DB 1704 TCTGTGTCTATCTATTCTAAGAGACAGTTTATGAGAGAAACCCAGCTGTCTCTCGGCT 1844
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RESULT 12

US-10-173-700-473
; Sequence 473, Application US/10173700
; Publication NO. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-700-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 7 GTAGAACTCTCAACAATAATACATTTGATGAAGAAAGATGGCTTTAAAGTGCTACTAG 66
DB 147 GAAGAAGCTCTCAACAATAATACATTTGATGAAGAAAGATGGCTTTAAAGTGCTACTAG 206
QY 67 ACAAGAGAAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTGTCATGTAAGTGA 126
DB 207 ACAAGAGAAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTGTCATGTAAGTGA 266
QY 127 CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGAGTCGGTCTGGAACCTGTGTC 186
DB 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGAGTCGGTCTGGAACCTGTGTC 326
QY 187 CTTGCAACAGTGTGGGCGAGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
DB 327 CTTGCAACAGTGTGGGCGAGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCAGTGTGTGAGCTCCGGCTGCACAGGTTCAAGGAGACTGGGGCTTCCAGA 306
DB 387 AGGATGCAGTGTGTGAGCTCCGGCTGCACAGGTTCAAGGAGACTGGGGCTTCCAGA 446
QY 307 AATGAAGCCCTGTCTGGAATCGCAGTGTGGAACCGCTTTTCAAGAGCAAAATTTGTTGAG 366
DB 447 AATGAAGCCCTGTCTGGAATCGCAGTGTGGAACCGCTTTTCAAGAGCAAAATTTGTTGAG 506
QY 367 CCACAGTGTATGCCATCTCGGGGAGCTGCTTCCAGGATTTTATAGGAAGACGAAACTTG 426
DB 507 CCACAGTGTATGCCATCTCGGGGAGCTGCTTCCAGGATTTTATAGGAAGACGAAACTTG 566
QY 427 TCGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTTACGAACCGC 486
DB 567 TCGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTTACGAACCGC 626
QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGCCACCGGAGCA 546
DB 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGCCACCGGAGCA 686
QY 547 CGGCGCTGCGCGTATCTCGAGCGCTCTGCGCACCGTCTGCTGCGCGCTGCTCATCC 606

DB 687 CGGCGCTGCGCGTATCTGAGCGCTCTGCGCACCGCTCTGCTGCGCGCTGCTCATCC 746
QY TCTGTGTCATCTATTGTAAGAGACAGTTTATGGAAGAAACCCAGCTGGTCTCTGCGGT 666
DB 747 TCTGTGTCATCTATTGTAAGAGACAGTTTATGGAAGAAACCCAGCTGGTCTCTGCGGT 806
QY 667 CACAGGACATTCAGTACAACCGGCTCTCAGCTGTCTGCTTTGACAGACCTCAGCTCCACG 726
DB 807 CGCAGGACATTCAGTACAACCGGCTCTCAGCTGTCTGCTTTTGAAGACCTCAGCTCCACG 866
QY 727 AATATGCCACAGAGCTGCTGCGAGTCCCGCTGAGTCCAGTCCAGTCCAGTCCAGTCCAG 786
DB 867 AATATGCCACAGAGCTGCTGCGAGTCCCGCTGAGTCCAGTCCAGTCCAGTCCAGTCCAG 926
QY 787 TGCCTTGTCTCCCATCTGCTGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTG 846
DB 927 TGCCTTGTCTCCCATCTGCTGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCT 986
QY 847 GTTGTGGGTGCTATTCAGGAGGCTGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAG 906
DB 987 GTTGTGGGTGCTATTCAGGAGGCTGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAG 1046
QY 907 TGTGTGCCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTCGAGGCTGTCAGTCCAGTCC 966
DB 1047 TGTGTGCCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTCGAGGCTGTCAGTCCAGTCC 1106
QY 967 GGCCTCTGATGCAGAAATCCCATGGGTGCTGACAAATCTCTTTTGTGACTCTTATCTCTG 1026
DB 1107 GGCCTCTGATGCAGAAATCCCATGGGTGCTGACAAATCTCTTTTGTGACTCTTATCTCTG 1166
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DB 1227 ATTCAATAGCAGTCAAGATTTGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1286
QY 1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGTTAGAAATCAGCATCAA 1206
DB 1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGTTAGAAATCAGCATCAA 1346
QY 1207 CTCAAGATGCACTAACTATGAGAAAGCAGCTAGATACAGGAGAGTGGGCTATCATCCACC 1266
DB 1347 CTCAAGATGCACTAACTATGAGAAAGCAGCTAGATACAGGAGAGTGGGCTGCTCATCCACC 1406
QY 1267 CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTTCTGAGTAGAGC 1326
DB 1407 CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTTCTGAGTAGAGC 1466
QY 1327 GTGTGCTGGAAACCCAAAGAGTACTCTTTGTTAGGCTTATGGAAGTGGAGCTCTGGACCT 1386
DB 1467 GTGTGCTGGAAACCCAAAGAGTACTCTTTGTTAGGCTTATGGAAGTGGAGCTCTGGACCT 1526
QY 1387 TGCATGCTTCTGGGCAAAATTAATCTGAACCAAACTGACGGAATTTGAAGCTTTTCA 1446
DB 1527 TGCATGCTTCTGGGCAAAATTAATCTGAACCAAACTGACGGAATTTGAAGCTTTTCA 1586
QY 1447 GCGAGTTGCTTCTGAGCGCAGCAGCTGTAGCTGTAAGCTCAATGATACAGAAAG 1506
DB 1587 GCGAGTTGCTTCTGAGCGCAGCAGCTGTAGCTGTAAGCTCAATGATACAGAAAG 1646
QY 1507 ACTCAGGCGGACTCATGATCTCTGATCTTTTCTTCTACATGAGAGCTTCTCTGCCAAA 1566
DB 1647 ACTCAGGCGGACTCATGATCTCTGATCTTTTCTTCTACATGAGAGCTTCTCTGCCAAA 1706
QY 1567 AAGTGAATTTCAAGACGAGTGGTGTGAGCTGGAGCCTATGAGATTTGGAATATATAACA 1626
DB 1707 AAGTGAATTTCAAGACGAGTGGTGTGAGCTGGAGCCTATGAGATTTGGAATATATAACA 1766
QY 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCAATGATTTGTTTACAGACTGAGA 1686
DB 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCAATGATTTGTTTACAGACTGAGA 1826

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QY 1687 CCCAGAGTATACCTTTTC 1704
Db 1827 CCCAGAGTATACCTTTTC 1844

RESULT 13
US-10-174-572-473
; Sequence 473, Application US/10174572
; Publication No. US20030027263A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C40
; CURRENT APPLICATION NUMBER: US/10/174,572
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-572-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCCCAACAATAATACATTTGATAGAAAGATGGCTTTAAAGTGCTACTAG 66
Db 147 GAAGAACTCTCCAACAATAATACATTTGATAGAAAGATGGCTTTAAAGTGCTACTAG 206

QY 67 AACAGAGAAAGCTTTTTCATCTTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA 126
Db 207 AACAGAGAAAGCTTTTTCATCTTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA 266

QY 127 CTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAATCTGTGTTTC 186
Db 267 CTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAATCTGTGTTTC 326

QY 187 CCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAGGAATGTGSCCTTCGGCTATGGGG 246
Db 327 CCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAGGAATGTGSCCTTCGGCTATGGGG 386

QY 247 AGGATCCAGTGTGTGAGTGTGGCGGCTGCAAGGTTCAAGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATCCAGTGTGTGAGTGTGGCGGCTGCAAGGTTCAAGAGGACTGGGGCTTCCAGA 446

QY 307 AATGCAAGCCCTGTCTGGACTGGCAGTGTGAACCGCTTTCAGAAAGGCAAAATTTGTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGGCAGTGTGAACCGCTTTCAGAAAGGCAAAATTTGTCAG 506

QY 367 CCACCAAGTATGCATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTTG 426
Db 507 CCACCAAGTATGCATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTTG 566

QY 427 TCGGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCGC 486
Db 567 TCGGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCGC 626

QY 487 ACTGTGCCAGAGGTCAACCTCGTGAAGATCCGCTCCAGGCTCCAGCCCAACGGGACA 546
Db 1707 AAGTGACTTCAAAGACTGATGGTTGAGTGGCAGCTATGAGATTGTGACATATAACA 1766

627 ACTGTGCCAGAGGTCAACCTCGTGAAGATCCGCTCCAGGCTCCAGCCCAACGGGACA 686
547 CGGCGCTGGCTGGCGTTATCTGACAGCGCTCTGGGCCACCGTCTGCTGCGCCCTGCTCATCC 606
687 CGGCGCTGGCTGGCGTTATCTGACAGCGCTCTGGGCCACCGTCTGCTGCGCCCTGCTCATCC 746
607 TCTGTGTCTATCTATTTGTAAGAGACAGTTTATGGAAGAGAAAACCCAGCTGGTCTCTGCGGT 666
747 TCTGTGTCTATCTATTTGTAAGAGACAGTTTATGGAAGAGAAAACCCAGCTGGTCTCTGCGGT 806
667 CACAGACATTTCAAGTACAAACGGCTCTGAGCTGTCTGTCTTTCACAGAGACTCAGCTCCACG 726
807 CGCAGACATTTCAAGTACAAACGGCTCTGAGCTGTCTGTCTTTCACAGAGACTCAGCTCCACG 866
727 AATATGCCACAGAGCTGTCTGACAGTCCCGCGTGTGACTCAGTGTGAGACCTTGTGGGCGGG 786
867 AATATGCCACAGAGCTGTCTGACAGTCCCGCGTGTGACTCAGTGTGAGACCTTGTGGGCGGG 926
787 TGGCGTGTCTCCCATCCATGCTGTGAGAGGCTGCGAGCCCAACCCGCGGACTCTTG 846
927 TGGCGTGTCTCCCATCCATGCTGTGAGAGGCTGCGAGCCCAACCCGCGGACTCTTG 986
847 GTTGTGGGCTGCTTCTGACGCCAGTCTTTCAGGCCAAGAAACGCGAGCCCGGGGAGA 906
987 GTTGTGGGCTGCTTCTGACGCCAGTCTTTCAGGCCAAGAAACGCGAGCCCGGGGAGA 1046
907 TGGTGGCGGCTTCTTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGGCT 966
1047 TGGTGGCGGCTTCTTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGGCT 1106
967 GGCCTCTGATGCAGAAATCCCATGGTGTGACAACTCTCTTTTGTGACTCTTATCTCTG 1026
1107 GGCCTCTGATGCAGAAATCCCATGGTGTGACAACTCTCTTTTGTGACTCTTATCTCTG 1166
1027 AACTCACTGGAGAGACATTTCAATCTCTCAATTCAGAACTTGAAGCTCAAGCTCTTTGG 1086
1167 AACTCACTGGAGAGACATTTCAATCTCTCAATTCAGAACTTGAAGCTCAAGCTCTTTGG 1226
1087 ATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGATCCAGTCTCATTTCTGAAA 1146
1227 ATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGATCCAGTCTCATTTCTGAAA 1286
1147 ACTTTTACAGCAGTCTACTGATTTATCTAGATATAACAACACACTGCTGTAAGTCAAGATCAA 1206
1287 ACTTTTACAGCAGTCTACTGATTTATCTAGATATAACAACACACTGCTGTAAGTCAAGATCAA 1346
1207 CTCAGGATGCATTAATATGAGAGCCAGTATGATCAGGAGAGTGGCGCTATCATCCACC 1266
1347 CTCAGGATGCATTAATATGAGAGCCAGTATGATCAGGAGAGTGGCGCTATCATCCACC 1406
1267 CAGCAGCTCAGAGCTCCCTCCAGGAGCTTAAAGAACTTCTTTCTGCGAGTGAAGC 1326
1407 CAGCAGCTCAGAGCTCCCTCCAGGAGCTTAAAGAACTTCTTTCTGCGAGTGAAGC 1466
1327 GTGCTCTGMAACCCAAAGACTCTCTTTTGTAGGCTTATGAGCTGAGCAGTCTGACCT 1386
1467 GTGCTCTGMAACCCAAAGACTCTCTTTTGTAGGCTTATGAGCTGAGCAGTCTGACCT 1526
1387 TGCATGGCTTCTGGGGCAAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCCTTTCA 1446
1527 TGCATGGCTTCTGGGGCAAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCCTTTCA 1586
1447 GCCAGTGTCTTTCAGCCAGACAGCTGTAGTGAAGCTTAAAGCTCAATGAATTAACAAGAAAG 1506
1587 GCCAGTGTCTTTCAGCCAGACAGCTGTAGTGAAGCTTAAAGCTCAATGAATTAACAAGAAAG 1646
1507 ACTCAGGCGGACTCATGATCTCTGATCTTTTCTACATGAGAGCTTCTCTGCGACAA 1566
1647 ACTCAGGCGGACTCATGATCTCTGATCTTTTCTACATGAGAGCTTCTCTGCGACAA 1706
1567 AAGTGACTTCAAAGACTGATGGTTGAGTGGCAGCTATGAGATTGTGACATATAACA 1626
1707 AAGTGACTTCAAAGACTGATGGTTGAGTGGCAGCTATGAGATTGTGACATATAACA 1766
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QY 1567 AAGTCACTTCAAAGACGGATGGTTGAGCTGCACCCCTATGAGATGTGGACATATAACA 1626
DB 1707 AAGTGACTTCAAAGACTGATGGTTGAGCTGCAGCCTATGAGATGTGGACATATAACA 1766
QY 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATGTGGTTTACAGACTGAAGA 1686
DB 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATGTGGTTTACAGACTGAAGA 1826
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RESULT 15

US-10-174-582-473
; Sequence 473, Application US/10174582
; Publication No. US20030027265A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P34301C36
; CURRENT APPLICATION NUMBER: US/10/174,582
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-582-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 7 GTAGACTCTCAACAATAATACATTTTCATGAAGAAGATGCTTTAAGTGCTACTAG 66
DB 147 GAAGAACTCTCAACAATAATACATTTTCATGAAGAAGATGCTTTAAGTGCTACTAG 206
QY 67 AACAGAGAAAAGCTTTTTCACCTCTTTTATGATTTACTAGGCTATTTGTCATGTAAAGTGA 126
DB 207 AACAGAGAAAAGCTTTTTCACCTCTTTTATGATTTACTAGGCTATTTGTCATGTAAAGTGA 266
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DB 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGATTCAGGAGTCGGTCTGGAATCTGTGTTTC 326
QY 187 CTTGCAACAGTGTGGCCAGGATGCTGTGTAAGGAATGTGGCTTCGGCTATGGGG 246
DB 327 CTTGCAACAGTGTGGCCAGGATGCTGTGTAAGGAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGACTGGGGCTTCAGAG 306
DB 387 AGGATGCACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGACTGGGGCTTCAGAG 446
QY 307 AATGCAAGCCCTGTCTGGAATGTGGGAGTGTGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 366
DB 447 AATGCAAGCCCTGTCTGGAATGTGGGAGTGTGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 506
QY 367 CCACCAGTATGCATCTCGGGGACTGCTTGGCCAGGATTTTATAGGAAGACGAAACTTGG 426

DB 507 CCACAGTGATGCCATCTGCGGGNACTGCTTGGCCAGGATTTTATAGGAAGACGAAACTTGG 566
QY 427 TCGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTCTTACGAAACCGC 486
DB 567 TCGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCGC 626
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DB 627 ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGGCTCCACAGCCACCGGACA 686
QY 547 CGGCGCTGCGTGGCTTATCTGACGCGCTCTGGCCACCGTCTGCTGCGCCCTGCTCATCC 606
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DB 747 TCTGTGTCATCTATTGTAAAGACAGTTTATGGAGAAAGAAACCCAGCTGGTCTCTGCGGT 806
QY 667 CACAGGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTCTTGACAGACTCAGCTCCACG 726
DB 807 CGCAGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTCTTGACAGACTCAGCTCCACG 866
QY 727 AATATGCCACAGAGCGCTGCTGCCAGTCCCGCGTGAAGTCTCAGTGCAGACCTGCGGCGCG 786
DB 867 AATATGCCACAGAGCGCTGCTGCCAGTCCCGCGTGAAGTCTCAGTGCAGACCTGCGGCGCG 926
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QY 1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACAAACACACTGGTAGAATCAGCATCAA 1206
DB 1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACAAACACACTGGTAGAATCAGCATCAA 1346
QY 1207 CTCAGATGTCATTAATGAGAGCCAGCTAGATCAGAGAGTGGCGTATCATCCACC 1266
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DB 1407 CAGCCACTCAGAGCTCCCTCCAGGAAGCTTAAAGAACTCTTTTCTGCACTGAGAAGC 1466
QY 1327 GTGCTGTGAAACCCAAAGAGTACTCTTTGTGTTAGGCTTATGAGCTGAGCAGTCTGAGCT 1386
DB 1467 GTGCTGTGAAACCCAAAGAGTACTCTTTGTGTTAGGCTTATGAGCTGAGCAGTCTGAGCT 1526
QY 1387 TGCATGGCTTCTGGGCAAAATAATCTGAAACCAACTGACGGCATTTTGAAGCTTTTCA 1446
DB 1527 TGCATGGCTTCTGGGCAAAATAATCTGAAACCAACTGACGGCATTTTGAAGCTTTTCA 1586
QY 1447 GCCAGTGTCTCTGAGCCAGACCTGTAAGCTGAAACCTCAATGAATTAACAAGAAAG 1506
DB 1587 GCCAGTGTCTCTGAGCCAGACCTGTAAGCTGAAACCTCAATGAATTAACAAGAAAG 1646

QY	1507	ACTCCAGCCGACTCATGATCTCTGCATCTTTCTTACATGAGAAGCTTCTCTGCCCAA	1566
Db	1647	ACTCCAGCCGACTCATGATCTCTGCATCTTTCTTACATGAGAAGCTTCTCTGCCCAA	1706
QY	1567	AAGTGACTTCAAGACGGATGGTTGAGCTGGCAGCCTATGAGATTGTGGACATATAACA	1626
Db	1707	AAGTGACTTCAAGACTGATGGTTGAGCTGGCAGCCTATGAGATTGTGGACATATAACA	1766
QY	1627	AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATTGTGGTTTACAGACTGAAGA	1686
Db	1767	AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATTGTGGTTTACAGACTGAAGA	1826
QY	1687	CCCAGATATACTTTTTC	1704
Db	1827	CCCAGATATACTTTTTC	1844

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 Job time : 261.302 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 16:36:23 ; Search time 81.9231 Seconds
(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-2
Perfect score: 1704
Sequence: 1 gggacgtagaactctccaa.....gaccagagatatacttttc 1704

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	447.2	26.2	893	US-09-286-529-8	Sequence 8, Appli
2	326.6	19.2	623	US-09-286-529-9	Sequence 9, Appli
3	36.4	2.1	1601	US-08-722-001-7	Sequence 7, Appli
4	36.4	2.1	1987	US-08-722-001-26	Sequence 26, Appl
5	36.4	2.1	1997	US-08-722-001-27	Sequence 27, Appl
6	36.4	2.1	2004	US-08-722-001-11	Sequence 11, Appl
7	36.2	2.1	2485	US-08-424-424B-1	Sequence 1, Appli
8	36.2	2.1	2486	PCT-US94-05363A-1	Sequence 1, Appli
9	35.6	2.1	4136	US-09-103-875-2	Sequence 2, Appli
10	35.6	2.1	1150	US-09-372-934-3	Sequence 3, Appli
11	35.4	2.1	7218	US-08-232-463-14	Sequence 14, Appl
12	34.8	2.0	1639	US-08-334-698-5	Sequence 5, Appli
13	34.8	2.0	1639	US-08-228-932-5	Sequence 5, Appli
14	34.8	2.0	1639	US-08-468-939-5	Sequence 5, Appli
15	34.8	2.0	1639	US-08-406-855A-5	Sequence 5, Appli
16	34.8	2.0	1639	US-08-722-190-5	Sequence 5, Appli
17	34.8	2.0	1639	US-08-244-354-5	Sequence 5, Appli
18	34.8	2.0	1639	US-09-206-899-5	Sequence 5, Appli
19	34.8	2.0	1639	US-09-444-783-5	Sequence 5, Appli
20	34.8	2.0	1639	US-09-688-415-5	Sequence 5, Appli
21	34.8	2.0	1639	PCT-US95-04203-5	Sequence 5, Appli
22	34.6	2.0	5962	5386025-5	Patent No. 5386025
23	33.8	2.0	4403765	US-09-103-840A-2	Sequence 2, Appli
24	33.8	2.0	4411529	US-09-103-840A-1	Sequence 1, Appli
25	33.6	2.0	800	US-08-416-603-11	Sequence 11, Appl
26	33.4	2.0	4360	US-08-470-350B-1	Sequence 1, Appli
27	33.2	1.9	703	US-09-280-116-175	Sequence 175, App

c 28	33.2	1.9	11864	4	US-08-961-527-61	Sequence 61, Appl
c 29	33	1.9	1458	4	US-09-134-001C-989	Sequence 989, App
c 30	33	1.9	9472	1	US-08-325-547-9	Sequence 9, Appli
c 31	32.8	1.9	2230	1	US-08-200-512-1	Sequence 1, Appli
c 32	32.8	1.9	3786	4	US-08-961-527-182	Sequence 182, App
c 33	32.8	1.9	6822	4	US-09-426-998-3	Sequence 3, Appli
c 34	32.8	1.9	7741	4	US-09-426-998-4	Sequence 4, Appli
c 35	32.6	1.9	1593	2	US-08-524-828-2	Sequence 2, Appli
c 36	32.6	1.9	1593	3	US-08-975-114A-2	Sequence 2, Appli
c 37	32.6	1.9	1593	3	US-08-849-281A-2	Sequence 1, Appli
c 38	32.6	1.9	2247	2	US-08-524-828-1	Sequence 1, Appli
c 39	32.6	1.9	2247	2	US-08-524-828-1	Sequence 1, Appli
c 40	32.6	1.9	2613	4	US-09-255-829-7	Sequence 7, Appli
c 41	32.6	1.9	2616	4	US-09-255-829-1	Sequence 1, Appli
c 42	32.6	1.9	2616	4	US-09-255-829-25	Sequence 25, Appl
c 43	32.6	1.9	2622	4	US-09-255-829-5	Sequence 5, Appli
c 44	32.6	1.9	2628	4	US-09-255-829-9	Sequence 9, Appli
c 45	32.6	1.9	2637	4	US-09-255-829-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1
US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Triboulev
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match	26.2%	Score	447.2;	DB	4;	Length	893;
Best Local Similarity	81.6%	Pred. No.	4.7e-128;				
Matches	529;	Conservative	0;	Mismatches	118;	Indels	1;
Gaps	1;						
Qy	22	AATAAATACATTGATAGAAAGATGGCTTTAAAGTGTCTACTAGAAACAAGAGAAAACGT	81				
Db	32	AATAAACAGTTTGGTGAGAGCCATGCACTCAAGTCTCTACCTCTACACAGGACGGTGC	91				
Qy	82	TTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATCTAAAGTCACTTTGTGAAACAGAG	141				
Db	92	TCCTCGCTGCCATTCTCTCTACTCCACCTGGCATGTAAGTGAAGTTCGGAACCGGAG	151				
Qy	142	ACTGTACACACGAAGATTCAGGATCGGTCTGGAAACTGTTCCCTGCAACCAAGTGTG	201				
Db	152	ATTGACGGACGACGAGAAATCAAGGATCGATCTGGAACCTGTGCTCTGCAACAGTGC	211				
Qy	202	GGCCAGGACATGGAGTGTCTTAAGGAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTG	261				
Db	212	GACCTGCATGGAGTGTCTCCAGGAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTG	271				
Qy	262	TGACGTCCCGGCTGCACAGGTTCAAGGAGAGTGGGGCTTCCAGAAATGCAAGCCCTGTGTC	321				
Db	272	TGCCCTGCAGCCCGCACCGGTTCAAGGAAGACTGGGGTTCAGAGAGTGAAGCATGTG	331				
Qy	322	TGGACTCGCAGTGGTGAACCGCTTTCAGAGGCAAAATTTTACAGCCACCACTGATGCCA	381				
Db	332	CGGACTGTGCGCTGGTGAACCGCTTTTACAGAGGGGCAACTGCTTCACACCACTGATGTG	391				
Qy	382	TCTCGGGGACTGCTGCGCAGGATTTTATAGGAAGACGAAACTTGTGGCTTTTCAAGACA	441				
Db	392	TCTCGGGGACTGCTGCCAGGATTTTACCGGAGACCACTGTTGGTGGTTTTCAGACA	451				

Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon
TITLE OF INVENTION: ALPHA1C ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: United States of America
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,001
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/229,276
FILING DATE: 14-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Appollina, Mary A.
REGISTRATION NUMBER: 34,087
REFERENCE/DOCKET NUMBER: 19169Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3462
TELEFAX: (908)594-4720
TELEX: 138825
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 1987 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-26

Query Match 2.1%; Score 36.4; DB 1; Length 1987;
Best Local Similarity 52.7%; Pred. No. 0.62;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 518 CGCGTCCAGCGGCTCCAGCCACGGGACACGGCGCTGGCTGCGTTATCTGCAGCGCTCT 577
DB 1112 CGAGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTGCTCTTCTCGGCTCT 1171

QY 578 GGCCACCGCTCTGCTGGCCCTCTCATCTCTGTGTCATCTATTGTAAAGACAGTTTAT 637
DB 1172 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTCATGTACTGCCGGCTTACGTGGT 1231

QY 638 GGAGAGAACCCAGCTGCTCTGCGGTC 667
DB 1232 GGCCAAAGAGGAGAGCGGGGCTCAAGTC 1261

RESULT 5
US-08-722-001-27
Sequence 27, Application US/08722001
Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon

APPLICANT: Bell, Ian M.
TITLE OF INVENTION: ALPHA1C ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: United States of America
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,001
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/229,276
FILING DATE: 14-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Appollina, Mary A.
REGISTRATION NUMBER: 34,087
REFERENCE/DOCKET NUMBER: 19169Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3462
TELEFAX: (908)594-4720
TELEX: 138825
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 1997 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-27

Query Match 2.1%; Score 36.4; DB 1; Length 1997;
Best Local Similarity 52.7%; Pred. No. 0.62;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 518 CGCGTCCAGCGGCTCCAGCCACGGGACACGGCGCTGGCTGCGTTATCTGCAGCGCTCT 577
DB 1106 CGAGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTGCTCTTCTCGGCTCT 1165

QY 578 GGCCACCGCTCTGCTGGCCCTCTCATCTCTGTGTCATCTATTGTAAAGACAGTTTAT 637
DB 1166 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTCATGTACTGCCGGCTTACGTGGT 1225

QY 638 GGAGAGAACCCAGCTGCTCTGCGGTC 667
DB 1226 GGCCAAAGAGGAGAGCGGGGCTCAAGTC 1255

RESULT 6
US-08-722-001-11
Sequence 11, Application US/08722001
Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon
TITLE OF INVENTION: ALPHA1C ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue


```
/ CITY: Rahway
/ STATE: New Jersey
/ COUNTRY: United States of America
/ ZIP: 07065
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/722,001
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/229,276
/ FILING DATE: 14-APR-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Appollina, Mary A.
/ REGISTRATION NUMBER: 34,087
/ REFERENCE/DOCKET NUMBER: 19169Y
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (908)594-3462
/ TELEFAX: (908)594-4720
/ TELEX: 138825
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2004 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: both
/ TOPOLOGY: both
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-722-001-11

Query Match 2.1%; Score 36.4; DB 1; Length 2004;
Best Local Similarity 52.7%; Pred. No. 0.62; Mismatches 0; Gaps 0;
Matches 79; Conservative 0; Indels 0;

QY 518 CGCGTCCAGCGGCTCCAGCCGACGCGGCTGGCTGGCTGCTTATCTGCGGCTCT 577
DB 1107 CGAGGACGAGCATCTGCAGATCAACGAGGCGGCTAGCTCTTCTCGGCTCT 1166
QY 578 GGCCACGCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAGACAGTTTAT 637
DB 1167 GGCGCTCTTCTACCTCCCTCTGGCCATCATCTGCTCATGTACTGCGGCTCTACGTG 1226
QY 638 GGAGAGAAACCCAGCTGCTCTGCGGTC 667
DB 1227 GGCCAAGAGGAGAGCGCGGCTCAAGTC 1256

RESULT 7
US-08-424-424B-1
; Sequence 1, Application US/08424424B
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363A
; FILING DATE: SUBMITTED HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700

/ CITY: Rahway
/ STATE: New Jersey
/ COUNTRY: United States of America
/ ZIP: 07065
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/722,001
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/229,276
/ FILING DATE: 14-APR-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Appollina, Mary A.
/ REGISTRATION NUMBER: 34,087
/ REFERENCE/DOCKET NUMBER: 19169Y
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (908)594-3462
/ TELEFAX: (908)594-4720
/ TELEX: 138825
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2004 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: both
/ TOPOLOGY: both
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-722-001-11

Query Match 2.1%; Score 36.2; DB 1; Length 2485;
Best Local Similarity 56.2%; Pred. No. 0.82; Mismatches 0; Gaps 0;
Matches 68; Conservative 0; Indels 0;

QY 497 CAAGGTCAACCTCGTGAAGATCGGTCCAGCGGCTCCAGCCGACGCGGACAGCGGCTGCGC 556
DB 2023 CAGCATCATCCAGCTGGGGGTACGCCCCCGGCTTACAGCGCTTGATCAAGGAGGAGGC 2082
QY 557 TGCGGTTATCTGACGCGCTCTGGCCACCGTCTGCTGCTGGCCCTGCTCATCTCTGTGTAT 616
DB 2083 TGCCGAGCGCTACTGTATTTCCCACTGGCCACTGCTGATCACCTCATCGT 2142
QY 617 C 617
DB 2143 C 2143

RESULT 8
PCT-US94-05363A-1
; Sequence 1, Application PC/TUS9405363A
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363A
; FILING DATE: SUBMITTED HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
```

```

; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2486 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: CDNA
; PCT-US94-05363A-1

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	Query Match	2.1%;	Score 36.2;	DB 5;	Length 2486;
	Best Local Similarity	56.2%;	Pred. No. 0.82;		
	Matches 68;	Conservative 0;	Mismatches 53;	Indels 0;	Gaps 0;
QY	497	CAAGGTCMACTCGTGAAGATCGGCTCCAGCGGCTCCAGCCACGGGACACGGCGCTGGC			
Db	2024	CAGCATCATCAGCTGGGGTTCAGCCCCCGGCTCAGGCGCTGGATCAAGGAGGAGGC			
QY	557	TGCCGTATTCGTCAGCGGCTCTGGCCACCGGTCCTGGCTGGCCCTGCTCATCCTCTGTGTGCAT			
Db	2084	TGCCGAGCGCTACTGTATTTTCCCCCACTGGCCCGGACCTCCTGTATCACCCTCATCGT			
QY	617	C 617			
Db	2144	C 2144			

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RESULT 9
US-09-103-875-2/c
; Sequence 2, Application US/09103875A
; Patent No. 6221849
; GENERAL INFORMATION:
; APPLICANT: Szyf, Moshe
; APPLICANT: Bigey, Pascal
; APPLICANT: Ramchandani, Shyam
; TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
; TITLE OF INVENTION: OLIGONUCLEOTIDES
; FILE REFERENCE: 106101.194
; CURRENT APPLICATION NUMBER: US/09/103,875A
; CURRENT FILING DATE: 1998-06-24
; EARLIER APPLICATION NUMBER: 60/069,865
; EARLIER FILING DATE: 1997-12-17
; EARLIER APPLICATION NUMBER: 08/866,340
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 4136
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-103-875-2

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Query Match	2.1%;	Score 36;	DB 4;	Length 4136;
Best Local Similarity	49.5%;	Pred. No. 1.3;		
Matches	93;	Conservative 0;	Mismatches 95;	Indels 0;
Gaps	0;			

QY	733	CCACACAGAGCCTGCTGCCAGTGC	CGCGCTGACTCAGTG	CAGACCTCGGGSCCGGTGCGCT	792
Db	3917	CCACCCAGCGCCCTGCCTGTCCCT	TGAGTCCGTTC	CCCCCCATGTACTACCGCC	3958
QY	793	TGCTCCCATCCATGTCTGTGAGAG	GCCTTG	CAGCCCCAACCCGGCAGCTCTTTGGTTGTG	852
Db	3857	TGCGGACATCTCGGGCAGCGAGAT	GCCGGGACGGCCAGTGTGGGCACCCGGCTGGGG	3798	
QY	853	GGGTGCATTCTGCAGCCAGTCTTC	CAGGCAGAACCGCAGCC	CCAGCGGGAGATGGTGC	912
Db	3797	CGGTACGGCGGCATCTCGGAGCTT	CAGCAGCGCGGCGG	CAGCGCGGCCCC	3738
QY	913	CGACTTTC	920		
Db	3737	GGCTTTTC	3730		

RESULT 10
US-09-372
SEQUENCE
Patient 1
GENERAL
APPLIC
APPLIC
APPLIC
TITLE (
TITLE (
FILE R
CURREN
CURREN
EARLIE
EARLIE
EARLIE
EARLIE
NUMBER
SEQ ID I
LENGTH
TYPE:
ORGAN
FEATUR
NAME//
LOCAT
US-09-372

	Query Match	2.1%;	Score 35.6;	DB 4;	Length 1150;
	Best Local Similarity	57.0%;	Pred. No. 0.77;		
	Matches 65;	Conservative 0;	Mismatches 49;	Indels 0;	Gaps 0;
QY	492	GCCAGCAAGGTCAACTCGTGAAGATCGGTCCACGGCTCCAGGCCACGGACACGGCG	551		
Db	142	GCGCAGACGGGTACCGCATCAGAAGGGTCCCGGCCAGGGCGGTGGGACTCGGAG	201		
QY	552	CTGGGTCGGCGTTATCTGCAGCGCTCTGGCACCGTCTCTGGCCCTGCTCATC	605		
Db	202	CGGATCCGGCGATGTCGTATCCGCTGCTGTGCTGGTGGGACGGTGTCTCTC	255		

RESULT 11
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:

```
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-F1s
; US-08-232-463-14

Query Match      2.1%; Score 35.4; DB 1; Length 7218;
Best Local Similarity 6.4%; Pred. No. 2.8; Mismatches 189; Indels 0; Gaps 0;
Matches 27; Conservative 203;

QY 11 AACTCTCCAAATAATACATTGATAAGAAAGATGGCTTTAAAGTGTCTACTAGAAC 70
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1481 AATTACCTATCTGCAAGTAGTTAAGAGATAGAGATTTGGTACRERRRRRRRR 1422

QY 71 AGAGAAACGTTTTCACCTCTTTTAGTATTACTAGGCTATTGTCATGTAAAGTACTTG 130
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1421 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1362

QY 131 TGAACAGAGAGACTGTAGACACAGAAATTCAGGATCGTCTGAAACGTGTTCCCTG 190
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1361 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1302

QY 191 CAACAGCTGTGGCCAGGATGAGTTGTCTAAGGAATGTGGCTATGGGAGGA 250
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1301 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1242

QY 251 TGACAGTGTGTACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCAGAAATG 310
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1241 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1182

QY 311 CAAGCCCTCTGGAGTGGCAGTGTGTAACCGCTTTTCAAGAGGCAATTTGTCAGCAC 370
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1181 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1122

QY 371 CAGTGATGCTGTCGGGAGCTGTTGCCAGATTTTATAGGAAGACGAAACTTGTGCG 429
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1121 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1063
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RESULT 12
US-08-334-698-5
; Sequence 5, Application US/08334698
; Patent No. 5556753
; GENERAL INFORMATION:
; APPLICANT: Jonathan A. Bard et al.
; TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
; TITLE OF INVENTION: Receptors and Uses Thereof
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/334,698
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; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/952,798
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 376901
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; TELEX: (212) 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
; US-08-334-698-5

Query Match      2.0%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.7; Mismatches 0; Indels 0; Gaps 0;
Matches 78; Conservative 0;

QY 518 CGCGTCCACGCGCTCCAGCCACGCGGACACGCGCGTGGCTGCGTATCTATGACGCGCTCT 577
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 635 CGAGACGAGACCATCTGCCAGATCAACGAGGAGCGGCGCTACGTCTCTTCACGCGCT 694

QY 578 GGCCACCGCTCTGCTGGCGCTCTCATCTCTGTGTATCTATCTATGACGAGACAGTTTAT 637
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 695 GGGCTCTCTTACCTGCGCTCTGGCCATCATCTCTGTGTATCTATGACGCGCTCTACGTGT 754

QY 638 GGAGAGAAACCCAGCTGCTCTCTGCGGTC 667
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 755 GGCCAGAGGAGGAGCGCGGCGCTCAAGTC 784

RESULT 13
US-08-228-932-5
; Sequence 5, Application US/08228932
; Patent No. 5578611
; GENERAL INFORMATION:
; APPLICANT: Charles Gluchowski, Carlos C. Forray, George Chiu,
; APPLICANT: Theresa A. Branchek, John M. Wetzel and Paul R. Hartig
; TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO TREAT BENIGN
; TITLE OF INVENTION: PROSTATIC HYPERPLASIA
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,932
; FILING DATE: 13-APR-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
```

REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41878-B/JPW/TEP
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: (212) 422523 COOP UI
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-228-932-5

Query Match 2.0%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.7;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 518 CGGTCACGGCTCCAGCCACGGGACACGGCGCTGGCTGCGTTATTCGAGCGCTCT 577
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTCTCTTCAGCGCT 694

QY 578 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAGACAGTATTAT 637
DB 695 GGGCTCTTCTTACCTGCTGCTGCGCATCATCTGCTGCTGCTGCTGCTGCTGCTGCT 754

QY 638 GGAGAGAAACCCAGCTGCTCTGCGGTC 667
DB 755 GGCCAGAGGAGGAGCGGGCGCTCAAGTC 784

RESULT 14
US-08-468-939-5
Sequence 5, Application US/08468939
Patent No. 5714381
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,939
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41337-1B
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-468-939-5

Query Match 2.0%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.7;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 518 CGGTCACGGCTCCAGCCACGGGACACGGCGCTGGCTGCGTTATTCGAGCGCTCT 577
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTCTCTTCAGCGCT 694

QY 578 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAGACAGTATTAT 637
DB 695 GGGCTCTTCTTACCTGCTGCTGCGCATCATCTGCTGCTGCTGCTGCTGCTGCTGCT 754

QY 638 GGAGAGAAACCCAGCTGCTCTGCGGTC 667
DB 755 GGCCAGAGGAGGAGCGGGCGCTCAAGTC 784

RESULT 15
US-08-406-855A-5
Sequence 5, Application US/08406855A
Patent No. 5861309
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/406,855A
FILING DATE: 21-AUG-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41337-A-PCT-US/JPW/KDB
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523

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OM protein - protein search, using sw model

Run on: June 22, 2003, 21:28:42 ; Search time 15.3893 Seconds
(without alignments)
797.266 Million cell updates/sec

Title: US-09-380-276A-4
Perfect score: 2255
Sequence: 1 MALKVLLQEQTFFTLVLL.....LDQSGAIHPATQTSLOEA 417

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	869	38.5	210	4	US-09-286-529-3
2	714.5	31.7	151	4	US-09-286-529-4
3	191	8.5	448	4	US-09-342-681C-17
4	191	8.5	448	4	US-09-342-681C-19
5	159	7.1	438	1	US-08-097-827-11
6	159	7.1	438	1	US-08-494-574-11
7	150	6.7	206	1	US-08-097-827-7
8	150	6.7	206	1	US-08-494-574-7
9	145	6.4	205	3	US-08-974-022-51
10	145	6.4	205	4	US-08-795-445A-51
11	145	6.4	205	4	US-08-795-447A-51
12	145	6.4	205	4	US-08-974-186-51
13	145	6.4	205	4	US-08-795-446B-51
14	145	6.4	205	4	US-08-706-945D-138
15	144	6.4	1104	2	US-08-327-832-5
16	144	6.4	1104	2	US-08-828-584-5
17	136	6.0	625	3	US-08-996-139-15
18	136	6.0	625	4	US-08-995-659-15
19	136	6.0	625	4	US-09-215-649A-15
20	136	6.0	625	4	US-09-577-780-15
21	134.5	6.0	415	4	US-09-006-353A-6
22	134.5	6.0	415	4	US-09-573-986-6
23	134	5.9	186	1	US-08-089-458B-6
24	134	5.9	307	4	US-08-804-166-4
25	134	5.9	307	4	US-08-910-991-4
26	133.5	5.9	2050	2	US-08-347-594A-2
27	132.5	5.9	197	2	US-08-505-606-1

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28 132.5 5.9 197 4 US-09-000-166-1 Sequence 1, Appli
29 132 5.9 276 4 US-09-041-886-27 Sequence 27, Appl
30 132 5.9 277 4 US-09-042-785A-10 Sequence 10, Appl
31 132 5.9 277 4 US-09-006-353A-10 Sequence 10, Appl
32 132 5.9 277 4 US-08-114-944D-2 Sequence 2, Appli
33 132 5.9 277 4 US-09-573-986-10 Sequence 10, Appli
34 131 5.8 139 2 US-08-219-237B-8 Sequence 1, Appli
35 131 5.8 176 4 US-09-411-722-1 Sequence 8, Appli
36 130.5 5.8 140 4 US-08-477-347-17 Sequence 17, Appli
37 130.5 5.8 140 4 US-08-476-862-8 Sequence 8, Appli
38 130.5 5.8 170 4 US-08-828-683A-14 Sequence 14, Appli
39 129.5 5.7 336 4 US-08-804-166-8 Sequence 8, Appli
40 129.5 5.7 336 4 US-08-910-991-8 Sequence 8, Appli
41 129 5.7 326 1 US-08-292-549-4 Sequence 4, Appli
42 129 5.7 326 5 PCT-US91-02207-4 Sequence 4, Appli
43 128.5 5.7 1170 1 US-08-313-288B-20 Sequence 20, Appli
44 128 5.7 355 1 US-08-292-549-6 Sequence 6, Appli
45 128 5.7 355 4 US-09-006-353A-14 Sequence 14, Appli

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ALIGNMENTS

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RESULT 1
US-09-286-529-3
; Sequence 3, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 210
; TYPE: PRT
; ORGANISM: human
US-09-286-529-3

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Query Match 38.5%; Score 869; DB 4; Length 210;
Best Local Similarity 83.7%; Pred. No. 1.8e-73;
Matches 154; Conservative 11; Mismatches 19; Indels 0; Gaps 0;

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QY 1 MALKVLLQEQTFFTLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNCGPGMELSK 60
DB 1 MALKVLPHTVTLFAATILFLHLACKVSCETGDCRQOEFRDRSGNVCVCKQCGPGMELSK 60
QY 61 ECGFGYGEDAQCVTCLRLHRFKEDWGFKCKPCLDCAVYVNRFPKANCATSATSDAICGDCPLPG 120
DB 61 ECGFGYGEDAQCVCPRPHRFKEDWGFKCKPCADCALVNRFORANCSTSDAICGDCPLPG 120
QY 121 FYRKTGLVGFQDMCEVPCGDPDPPEPHPCASKVNLVKIATSTASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMCEVPCGDPDPPEPHPCASKVNLVKIATSTASSPRDTALAAVICSALAT 180
QY 181 VLLA 184
DB 181 VLLA 184

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RESULT 2
US-09-286-529-4
; Sequence 4, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25

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TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-08-097-827-11

Query Match 7.1%; Score 159; DB 1; Length 438;
Best Local Similarity 27.5%; Pred. No. 1.1e-06;
Matches 69; Conservative 31; Mismatches 93; Indels 58; Gaps 18;

QY 15 TLLVLLGYLSCKVTCETGDCRQEQFRDRSGN-CVPCNOCGPGMELSKCEGFGYGEDAOCV 73
Db 9 TALLLLG-LTLGVTRARLNCVKHTY--PSGHKC--CRECQPGHGMVNR--DHTRDTLCH 61
QY 74 TRLHFKEDWGFQKCPCLDCAVNRFO-KANCATSATSDAICGDCPLPGFYRKTCLVGFQD 132
Db 62 PCETGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTQDTVC-RCRPGTQPR-----QD 114
QY 133 -----MECVPCGDPPEYEP-----HCASKVNLVKIATASSPRDTALAAVIC-----SALA 179
Db 115 SGYKLGVDVCP--PPGHFSPGNNOACKPWTNCTLSGKQTRHPASDSLDAV-CEDRSLLA 171
QY 180 TVLLALLILCVIYCKRQFMKKPSW---SLRSODIQYNGSELSCLDRLPOLHEYAHRACQ 236
Db 172 TLL-----WETQPTFRPTTVQSTTWPRTSELP--STPTLVE--PRSC-- 211
QY 237 CRDSVQTCGP 247
Db 212 ---DKTHTCPP 219

RESULT 6
US-08-494-574-11
Sequence 11, Application US/08494574
Patent No. 5783665
GENERAL INFORMATION:
APPLICANT: Baum, Peter
APPLICANT: Goodwin, Ray
APPLICANT: Fanslow, William
APPLICANT: Gayle, Richard
TITLE OF INVENTION: No. 5783665el Cytokine Which is a Ligand for
TITLE OF INVENTION: OX40
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/494,574
FILING DATE: 22-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/097,827
FILING DATE: 23-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0730
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 438 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-494-574-11

Query Match 7.1%; Score 159; DB 1; Length 438;
Best Local Similarity 27.5%; Pred. No. 1.1e-06;
Matches 69; Conservative 31; Mismatches 93; Indels 58; Gaps 18;

QY 15 TLLVLLGYLSCKVTCETGDCRQEQFRDRSGN-CVPCNOCGPGMELSKCEGFGYGEDAOCV 73
Db 9 TALLLLG-LTLGVTRARLNCVKHTY--PSGHKC--CRECQPGHGMVNR--DHTRDTLCH 61
QY 74 TRLHFKEDWGFQKCPCLDCAVNRFO-KANCATSATSDAICGDCPLPGFYRKTCLVGFQD 132
Db 62 PCETGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTQDTVC-RCRPGTQPR-----QD 114
QY 133 -----MECVPCGDPPEYEP-----HCASKVNLVKIATASSPRDTALAAVIC-----SALA 179
Db 115 SGYKLGVDVCP--PPGHFSPGNNOACKPWTNCTLSGKQTRHPASDSLDAV-CEDRSLLA 171
QY 180 TVLLALLILCVIYCKRQFMKKPSW---SLRSODIQYNGSELSCLDRLPOLHEYAHRACQ 236
Db 172 TLL-----WETQPTFRPTTVQSTTWPRTSELP--STPTLVE--PRSC-- 211
QY 237 CRDSVQTCGP 247
Db 212 ---DKTHTCPP 219

RESULT 7
US-08-097-827-7
Sequence 7, Application US/08097827
GENERAL INFORMATION:
APPLICANT: Baum, Peter
APPLICANT: Goodwin, Ray
APPLICANT: Fanslow, William
APPLICANT: Gayle, Richard
TITLE OF INVENTION: Novel Cytokine Which is a Ligand for
TITLE OF INVENTION: OX40
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/097,827
FILING DATE: 23-JUL-1993
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0730
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 206 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-08-097-827-7

Query Match 6.7%; Score 150; DB 1; Length 206;
Best Local Similarity 30.1%; Pred. No. 2.6e-06;
Matches 55; Conservative 21; Mismatches 75; Indels 32; Gaps 13;

QY	15	TLVLVLGYLSCKVTCETGDCRQBFDRSGN-CVPCNQCQPGMELSKCEQFGYGEDAQC	73
Db	9	TALLLLG-LTLGVARRLNCVKHTY--PSGHKC--CRECQPGHGMVNR--DHTRDTLCH	61
QY	74	TCRLHRFKEDWGFQKPCLDCAVNRQ-KANCATSDAICGDCULPGFYRKTGLVGFOD	132
Db	62	PCETGFYNEAVNYDCKQCTCNHRSGSELKQNCPTQDTVC-RCRPGTQPR-----QD	114
QY	133	-----MECPCGCDPPPPYEP-----HCASKYNLVKIASTASSBRDOTALAIVC---SALA	179
Db	115	SGYKLGVDVCPC--PPGHFSPGNQACKPWTNCTLSGKQTRHPASDSLDAV-CEDRSLLA	171
QY	180	TVL 182	
Db	172	TLL 174	

RESULT 8
 US-08-494-574-7
 ; Sequence 7, Application US/08494574
 ; Patent No. 5783665
 ; GENERAL INFORMATION:
 ; APPLICANT: Baum, Peter
 ; APPLICANT: Goodwin, Ray
 ; APPLICANT: Fanslow, William
 ; APPLICANT: Gayle, Richard
 ; TITLE OF INVENTION: No. 5783665el Cytokine Which is a Ligand for
 ; TITLE OF INVENTION: OX40
 ; NUMBER OF SEQUENCES: 13
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunex Corporation
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: IBM PC compatible
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/494,574
 ; FILING DATE: 22-JUN-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/097,827
 ; FILING DATE: 23-JUL-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perkins, Patricia A.
 ; REGISTRATION NUMBER: 34,693
 ; REFERENCE/DOCKET NUMBER: 2806
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 206-587-0730
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 206 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-494-574-7

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Db      62  PCETGFNEAVNDYTCQCTQCNHRSSELKQNCITPTQDITVC-RCRPGTQPR-----QD 111
Qy      133  -----MECVPCGDPppppYEP-----HCASKVNLVKIASTASSPRDTALAAVIC-----SALA 179
Db      115  SGYKLGVDGVCPC--PPGHFSPGNNAQCKPWINCTLSGKQTRHPASDSLDV-CEDRSLLA 171
Qy      180  TVL 182
Db      172  TLL 174

RESULT 9
US-08-974-022-51
; Sequence 51, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-51

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Query Match	6.4%;	Score 145;	DB 3;	Length 205;
Best Local Similarity	28.6%;	Pred. No. 7.5e-06;		
Matches	54;	Conservative 23;	Mismatches 76;	Indels 36; Gaps 12
Qy	9	QEKTFLLVLGLSLCKVTCETGDCRQEPDRD--SGN-CVPCNQCGPMGELSKECGFG	65	
Db	6	QQPTAFLLGLSLGVTVKLNC-----VKDIYPSGHKC--CRECQPGHGMVSRC--D	52	
Qy	66	YGEDAQCVTCRLHRFKEDMGFQCKPCLDCAVNRFO-KANCATSDAICGDCILGFFYRK	124	
Db	53	HTRDTVCHPCBPFGFYNEAVNYDTCQCTQCNRHRSSELKQNCPTPTEDTVC-QCREGTPQR	111	
Qy	125	TKLVGFQDMCEVPCGDPDPPEP-----HCASKVNLV---KIASTASSPRDFTALAAVIC-	175	
Db	112	QDSHKLGVDCVPC--PPGHFSPSQNQCKPWTCTLSGKQIRHPFASSLDT-----VCE	164	
Qy	176	--SALATVL	182	
Db	165	DRSLATLL	173	

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; TITLE OF INVENTION: Osteoprotegerin
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: One Amgen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91362-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,447A
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378D2
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-447A-51
;
Query Match 6.4%; Score 145; DB 4; Length 205;
Best Local Similarity 28.6%; Pred. No. 7.5e-06;
Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QKTFFTLLVLLGYLSCKVTCETGDCRQQRFRDR--SGN-CVPCNOCGPGMELSKCGFG 65
Db 6 QQPTAELLGLSLGVTVKLMC-----VKOTYPSGHKC--CREQPGHGMVSRC--D 52
QY 66 YGEDAQCVCITRLHRFKEDWGQFKCKPCLDCAVVNRFO-KANCSATSDAICGDCILPGFYRK 124
Db 53 HTRDVTCHPCPEPGFYNEAVNYDTCKQCTQHRSGLKQNCCTPTDTCV-QCRPGTQPR 111
QY 125 TKLVGFQDMCEVCGPPPPPPYEP-----HCASKNVLV----KIASTASSPRDTALAANVC- 175
Db 112 QDSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164
QY 176 --SALATVL 182
Db 165 DRSLLATLL 173

RESULT 12
US-08-974-186-51
; Sequence 51, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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RESULT 15
US-08-327-832-5
; Sequence 5, Application US/08327832
; Patent No. 5840832
; GENERAL INFORMATION:
; APPLICANT: Ono, Santa J.
; TITLE OF INVENTION: Transcription Factor Regulating MHC
; TITLE OF INVENTION: Expression, cDNA and Genomic Clones Encoding Same and
; TITLE OF INVENTION: Retroviral Expression Constructs Thereof
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/327,832
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske, Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.46362
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 20-2 508-9153
; TELEFAX: 202 508-3299
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1104 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-327-832-5

Query Match 6.4%; Score 144; DB 2; Length 1104;
Best Local Similarity 18.8%; Pred. No. 9.7e-05;
Matches 110; Conservative 59; Mismatches 181; Indels 236; Gaps 27;
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DB 440 SCNLLCHPG-----PCPPCPAEMTKCEGTRHTRVRCQAVSVHCNPN 484
QY 73 ---VTCRLHRFKEDWGFQKPCLDCAVVRQKANCATS-DAICGDCPLPGFYKTKLV 128
DB 485 ENILNGQHOCALCHGGQCPQ--IILN--QVCYCGSTSRDVLGTDV-----GKSD 534
QY 129 GFQDMEC-----VPCGD-----PP-----PYEPHC--ASKVNLVKIATASS 164
DB 535 GFGDFSLCTKCKDLKGNHTCSQVCHPQPCQCPRLPOLVRCPCGQTPLSQLELGSS 594
QY 165 PRDTALAAV-----IC-SALATVLLALLIL-----VIYKQPFMEKK- 201
DB 595 SRKTCMDPVPSGKVGKPLPGSLDFIHTCEKLCHEGDCGPGVSRTSVISCRCSPRTKEL 654
QY 202 PWSLSRSODI-----QYNGSELSCLDLDPQ-----LH-----EYA 230
DB 655 PCTSLKSEDAFMCDKRCNKKRLCGHHKCNIECCVDKEHKHCPINCRKRLCGLHRCBPC 714
QY 231 HRACCO-CRRDSYQT-----CGVRLPLPSMCC-----EE 258
DB 715 HRGNCQTCWQASFDELTCHGASVIYPPVPCGTRPPECTQTCTARVHECDHPVYHSHSEE 774
QY 259 ACS-----PNPATLGCGVHSAASL----- 277

DB 775 KCPPTCTELTKQKCMGKHEFRSNIPCHLVDISCGLPCSATLPCGMHKCORLCHKGECLVDE 834
QY 278 -----QAR-----NAGPAGEMVPTFFGSLTQSI 300
DB 835 PKQPCPTTPRADCGHPCMAPCHTSSPCPVCTACKAKVQLQCECGRRKEWVICSEASSTVQR 894
QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 895 IAAISMASKITDMQLGGS-----VEISKLITKKEVHOARLECECSALERKKR--LAEAF 948
QY 361 PVQSHSENFRATDLRYNNTLVESASTQDALTWRSQLDQESGAI 406
DB 949 HISEDSDPFNIRSSGSKFSDSLKEDA--RKDLKFVSDVEKEMETLV 992
Search completed: June 23, 2003, 02:51:50
Job time : 19.3893 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 23, 2003, 02:37:02 ; Search time 30.2821 Seconds
(without alignments)
1490.061 Million cell updates/sec

Title: US-09-380-276A-4
Perfect score: 2255
Sequence: 1 MALKVLEQKTFLLVLL.....LDQSGALHPATQTSIQEA 417

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779.

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications AA.*
- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
 - 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
 - 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
 - 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
 - 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
 - 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
 - 7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
 - 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
 - 9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
 - 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
 - 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
 - 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
 - 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
 - 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
1	2247	99.6	417 10	US-09-780-532-2
2	2246	99.6	417 9	US-10-174-590-474
3	2246	99.6	417 9	US-10-176-758-474
4	2246	99.6	417 9	US-10-175-737-474
5	2246	99.6	417 9	US-10-173-706-474
6	2246	99.6	417 9	US-10-175-738-474
7	2246	99.6	417 9	US-10-175-752-474
8	2246	99.6	417 9	US-10-176-482-474
9	2246	99.6	417 9	US-10-176-757-474
10	2246	99.6	417 9	US-10-180-513-474
11	2246	99.6	417 9	US-10-180-557-474
12	2246	99.6	417 9	US-10-173-700-474
14	2246	99.6	417 9	US-10-174-572-474
15	2246	99.6	417 9	US-10-174-579-474
16	2246	99.6	417 9	US-10-174-582-474
17	2246	99.6	417 9	US-10-174-588-474
18	2246	99.6	417 9	US-10-175-739-474
19	2246	99.6	417 9	US-10-175-740-474

20	2246	99.6	417 9	US-10-175-743-474	Sequence 474, App
21	2246	99.6	417 9	US-10-176-488-474	Sequence 474, App
22	2246	99.6	417 9	US-10-176-492-474	Sequence 474, App
23	2246	99.6	417 9	US-10-176-747-474	Sequence 474, App
24	2246	99.6	417 9	US-10-176-750-474	Sequence 474, App
25	2246	99.6	417 9	US-10-176-985-474	Sequence 474, App
26	2246	99.6	417 9	US-10-176-987-474	Sequence 474, App
27	2246	99.6	417 9	US-10-176-991-474	Sequence 474, App
28	2246	99.6	417 9	US-10-176-992-474	Sequence 474, App
29	2246	99.6	417 9	US-10-176-993-474	Sequence 474, App
30	2246	99.6	417 9	US-10-184-658-474	Sequence 474, App
31	2246	99.6	417 9	US-10-227-884-220	Sequence 220, App
32	2246	99.6	417 9	US-10-173-695-474	Sequence 474, App
33	2246	99.6	417 9	US-10-173-697-474	Sequence 474, App
34	2246	99.6	417 9	US-10-173-705-474	Sequence 474, App
35	2246	99.6	417 9	US-10-174-576-474	Sequence 474, App
36	2246	99.6	417 9	US-10-174-585-474	Sequence 474, App
37	2246	99.6	417 9	US-10-174-586-474	Sequence 474, App
38	2246	99.6	417 9	US-10-175-747-474	Sequence 474, App
39	2246	99.6	417 9	US-10-176-481-474	Sequence 474, App
40	2246	99.6	417 9	US-10-176-485-474	Sequence 474, App
41	2246	99.6	417 9	US-10-176-487-474	Sequence 474, App
42	2246	99.6	417 9	US-10-176-493-474	Sequence 474, App
43	2246	99.6	417 9	US-10-176-756-474	Sequence 474, App
44	2246	99.6	417 9	US-10-176-911-474	Sequence 474, App
45	2246	99.6	417 9	US-10-176-919-474	Sequence 474, App

ALIGNMENTS

RESULT 1
US-09-780-532-2
; Sequence 2, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-780-532-2

Query Match	99.6%	Score	2247	DB	10	Length	417
Best Local Similarity	99.5%	Pred. No.	1.4e-175				
Matches	415	Conservative	1	Mismatches	1	Indels	0
		Gaps	0				
Qy	1	MALKVLEQKTFLLVLLGLYLSCKVTCTGDCRQOEFRDRSGNVCNOCGPGMEUSK	60				
Db	1	MALKVLEQKTFLLVLLGLYLSCKVTCTGDCRQOEFRDRSGNVCNOCGPGMEUSK	60				
Qy	61	ECGFGYGDAQCVCRLHRFKEDMGFKCKPCLCAVNVNRFQKANCATSATSDAICGDCILPG	120				
Db	61	ECGFGYGDAQCVCRLHRFKEDMGFKCKPCLCAVNVNRFQKANCATSATSDAICGDCILPG	120				
Qy	121	FYRKTKLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATSTASSPRDTALAAVICSALAT	180				
Db	121	FYRKTKLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATSTASSPRDTALAAVICSALAT	180				
Qy	181	VLLALLILCVLYCKRPFMEKPSLSRSODIYNGSELSCIDRPLQHEVYHRACCOCCRD	240				
Db	181	VLLALLILCVLYCKRPFMEKPSLSRSODIYNGSELSCIDRPLQHEVYHRACCOCCRD	240				


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Db 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCFDRPQLHEYAHRAACCCRRD 240
Qy 241 SVQTCGVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQDQESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQDQESGAIHPATQTSLOEA 417

RESULT 2
US-10-174-590-474
; Sequence 474, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGTGCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGTGCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Qy 61 ECGFGYGEDAQCCTCLHRFKEDWGQKCPCLDCAVNRFQKANCSDATCGDCLPG 120
Db 61 ECGFGYGEDAQCCTCLHRFKEDWGQKCPCLDCAVNRFQKANCSDATCGDCLPG 120
Qy 121 FYRKTKLVGFQDMQECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Db 121 FYRKTKLVGFQDMQECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCLDRPQLHEYAHRAACCCRRD 240
Db 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCLDRPQLHEYAHRAACCCRRD 240
Qy 241 SVQTCGVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQDQESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQDQESGAIHPATQTSLOEA 417
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Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQDQESGAIHPATQTSLOEA 417

RESULT 3
US-10-176-758-474
; Sequence 474, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGTGCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGTGCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Qy 61 ECGFGYGEDAQCCTCLHRFKEDWGQKCPCLDCAVNRFQKANCSDATCGDCLPG 120
Db 61 ECGFGYGEDAQCCTCLHRFKEDWGQKCPCLDCAVNRFQKANCSDATCGDCLPG 120
Qy 121 FYRKTKLVGFQDMQECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Db 121 FYRKTKLVGFQDMQECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCLDRPQLHEYAHRAACCCRRD 240
Db 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCLDRPQLHEYAHRAACCCRRD 240
Qy 241 SVQTCGVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQDQESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQDQESGAIHPATQTSLOEA 417

RESULT 4
US-10-175-737-474
; Sequence 474, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
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; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCVPCNOCGPGMELSK 60
Db 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCVPCNOCGPGMELSK 60
Qy 61 ECGFGYGEDAQCVTCRLHREFKEDWGFQKCPCLDCAVVNRFOKANCATSATDAICGDCPLPG 120
Db 61 ECGFGYGEDAQCVTCRLHREFKEDWGFQKCPCLDCAVVNRFOKANCATSATDAICGDCPLPG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Db 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Qy 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMONGDNIISFCDSYBELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMONGDNIISFCDSYBELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417

RESULT 5
US-10-173-706-474
; Sequence 474, Application US/10173706
; Publication No. US2003002293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-474
```

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; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCVPCNOCGPGMELSK 60
Db 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCVPCNOCGPGMELSK 60
Qy 61 ECGFGYGEDAQCVTCRLHREFKEDWGFQKCPCLDCAVVNRFOKANCATSATDAICGDCPLPG 120
Db 61 ECGFGYGEDAQCVTCRLHREFKEDWGFQKCPCLDCAVVNRFOKANCATSATDAICGDCPLPG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Db 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Qy 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMONGDNIISFCDSYBELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMONGDNIISFCDSYBELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417

RESULT 6
US-10-175-738-474
; Sequence 474, Application US/10175738
; Publication No. US2003002229A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-474
```

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
DB 1 MALKVLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNVRFKANCATSATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNVRFKANCATSATSDAICGDCPLG 120

QY 121 FYRKTKLVGFQDMECVPCGDPPEPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTKLVGFQDMECVPCGDPPEPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVYCKRQPMKKPSLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVYCKRQPMKKPSLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPMSMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLPMSMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360

QY 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSLOEA 417
DB 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSLOEA 417

RESULT 7
US-10-175-752-474
; Sequence 474, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
DB 1 MALKVLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNVRFKANCATSATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNVRFKANCATSATSDAICGDCPLG 120

QY 121 FYRKTKLVGFQDMECVPCGDPPEPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTKLVGFQDMECVPCGDPPEPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVYCKRQPMKKPSLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVYCKRQPMKKPSLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPMSMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLPMSMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360

QY 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSLOEA 417
DB 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSLOEA 417

RESULT 8
US-10-176-482-474
; Sequence 474, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
DB 1 MALKVLEQEKTFPTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNVRFKANCATSATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNVRFKANCATSATSDAICGDCPLG 120

QY 121 FYRKTKLVGFQDMECVPCGDPPEPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTKLVGFQDMECVPCGDPPEPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVYCKRQPMKKPSLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVYCKRQPMKKPSLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPMSMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLPMSMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

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Db 241 SVQTCGPVRLLPSCMCEEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPMPGNDISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPMPGNDISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Qy 361 PVQSHSENFTAAATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAAATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417

RESULT 9
US-10-176-757-474
; Sequence 474, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLEQEKTFLLVLLGLSKVTCTGDCRQEQEFRDRSGNVCPCNOCGPGMELSK 60
Db 1 MALKVLEQEKTFLLVLLGLSKVTCTGDCRQEQEFRDRSGNVCPCNOCGPGMELSK 60
Qy 61 ECGFGYGEDAQCVCRLHFRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVCRLHFRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASTASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASTASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYICKQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEYAHRAACQCRRD 240
Db 181 VLLALLILCVYICKQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEYAHRAACQCRRD 240
Qy 241 SVQTCGPVRLLPSCMCEEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLLPSCMCEEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPMPGNDISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPMPGNDISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Qy 361 PVQSHSENFTAAATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAAATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
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RESULT 10
US-10-176-913-474
; Sequence 474, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLEQEKTFLLVLLGLSKVTCTGDCRQEQEFRDRSGNVCPCNOCGPGMELSK 60
Db 1 MALKVLEQEKTFLLVLLGLSKVTCTGDCRQEQEFRDRSGNVCPCNOCGPGMELSK 60
Qy 61 ECGFGYGEDAQCVCRLHFRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVCRLHFRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASTASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASTASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYICKQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEYAHRAACQCRRD 240
Db 181 VLLALLILCVYICKQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEYAHRAACQCRRD 240
Qy 241 SVQTCGPVRLLPSCMCEEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLLPSCMCEEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPMPGNDISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPMPGNDISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Qy 361 PVQSHSENFTAAATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAAATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417

RESULT 11
US-10-180-552-474
; Sequence 474, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-552-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFKCKPCLDCAVAVNRFOKANCATSATDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFKCKPCLDCAVAVNRFOKANCATSATDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMQMEVCPCGDDPPPPYEPHCASKKNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMQMEVCPCGDDPPPPYEPHCASKKNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240
DB 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240
QY 241 SVQTCGPVRLLPSCMCEECACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEECACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTAAATDLRYNNLTVESASTQDALTMRSQDOESGAIHPATQTSLOEA 417
DB 361 PVQSHSENFTAAATDLRYNNLTVESASTQDALTMRSQDOESGAIHPATQTSLOEA 417

RESULT 12
US-10-180-557-474
; Sequence 474, Application US/10180557
; Publication No. US2003002301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
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```
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFKCKPCLDCAVAVNRFOKANCATSATDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFKCKPCLDCAVAVNRFOKANCATSATDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMQMEVCPCGDDPPPPYEPHCASKKNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMQMEVCPCGDDPPPPYEPHCASKKNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240
DB 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240
QY 241 SVQTCGPVRLLPSCMCEECACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEECACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTAAATDLRYNNLTVESASTQDALTMRSQDOESGAIHPATQTSLOEA 417
DB 361 PVQSHSENFTAAATDLRYNNLTVESASTQDALTMRSQDOESGAIHPATQTSLOEA 417

RESULT 13
US-10-173-700-474
; Sequence 474, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-700-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
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Db 301 CGEESDAWPLMONGDNIISFCDSYPDLTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
Qy 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQLDOESGAVIHPATQTSLOEA 417

Search completed: June 23, 2003, 03:02:57
Job time : 33.2821 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 16:36:23 ; Search time 61.0096 Seconds
(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-5

Perfect score: 1269

Sequence: 1 atggctttaaagtgtact.....ggcagcgactgggttcctcg 1269

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 441362 seqs, 153338391 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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- 2: /cgn2_6/prodata/1/ina/5B-COMB.seq.*
- 3: /cgn2_6/prodata/1/ina/6A-COMB.seq.*
- 4: /cgn2_6/prodata/1/ina/6B-COMB.seq.*
- 5: /cgn2_6/prodata/1/ina/PTUS-COMB.seq.*
- 6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	435.4	34.3	893	4	US-09-286-529-8
2	314	24.7	623	4	US-09-286-529-9
3	36.4	2.9	1601	1	US-08-722-001-7
4	36.4	2.9	1987	1	US-08-722-001-26
5	36.4	2.9	1997	1	US-08-722-001-27
6	36.4	2.9	2004	1	US-08-722-001-11
7	36.2	2.9	2485	1	US-08-424-4248-1
8	36.2	2.9	2486	5	PCT-US94-05363A-1
9	36	2.8	4136	4	US-09-103-878-2
10	35.6	2.8	1150	4	US-09-372-934-3
11	34.8	2.7	1639	1	US-08-334-698-5
12	34.8	2.7	1639	1	US-08-228-932-5
13	34.8	2.7	1639	1	US-08-468-939-5
14	34.8	2.7	1639	2	US-08-406-855A-5
15	34.8	2.7	1639	2	US-08-722-190-5
16	34.8	2.7	1639	3	US-08-244-354-5
17	34.8	2.7	1639	3	US-09-206-899-5
18	34.8	2.7	1639	4	US-09-444-783-5
19	34.8	2.7	1639	4	US-09-688-415-5
20	34.8	2.7	1639	5	PCT-US95-04203-5
21	34.6	2.7	5362	6	5366025-5
22	34.6	2.7	7218	1	US-08-232-463-14
23	33.8	2.7	4403765	4	US-09-103-840A-2
24	33.8	2.7	4411529	4	US-09-103-840A-1
25	33.6	2.6	800	2	US-08-416-603-11
26	33.4	2.6	4360	2	US-08-470-3508-1
27	33.2	2.6	760	4	US-09-280-116-175
28					Sequence 175, Appl

c 28	33	2.6	1458	4	US-09-134-001C-989	Sequence 989, Appl
c 29	33	2.6	9472	1	US-08-325-547-9	Sequence 9, Appli
c 30	32.8	2.6	2230	1	US-08-200-512-1	Sequence 1, Appli
c 31	32.8	2.6	3786	4	US-08-961-527-182	Sequence 182, App
c 32	32.8	2.6	6822	4	US-09-426-998-3	Sequence 3, Appli
c 33	32.8	2.6	7741	4	US-09-426-998-4	Sequence 4, Appli
c 34	32.6	2.6	1593	2	US-08-524-828-2	Sequence 2, Appli
c 35	32.6	2.6	1593	2	US-08-975-114A-2	Sequence 2, Appli
c 36	32.6	2.6	1593	3	US-08-849-281A-2	Sequence 2, Appli
c 37	32.6	2.6	2247	2	US-08-524-828-1	Sequence 1, Appli
c 38	32.6	2.6	2247	2	US-08-975-114A-1	Sequence 1, Appli
c 39	32.6	2.6	2613	4	US-09-255-829-7	Sequence 7, Appli
c 40	32.6	2.6	2616	4	US-09-255-829-1	Sequence 1, Appli
c 41	32.6	2.6	2616	4	US-09-255-829-25	Sequence 25, Appl
c 42	32.6	2.6	2622	4	US-09-255-829-5	Sequence 5, Appli
c 43	32.6	2.6	2628	4	US-09-255-829-9	Sequence 9, Appli
c 44	32.6	2.6	2637	4	US-09-255-829-11	Sequence 11, Appl
c 45	32.6	2.6	2685	4	US-09-255-829-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match 34.3%; Score 435.4; DB 4; Length 893;

Best Local Similarity 82.1%; Pred. No. 1.4e-125;

Matches 513; Conservative 0; Mismatches 111; Indels 1; Gaps 1;

QY	1	ATGGCTTTAAAGTCTACTAGAACAGAGAAAGCTTTTTCACATCTTTTACTATTACTA	60
DB	55	ATGGCACTCAAGTCTTACTCTACACAGGACGGTGCTCTTCGCTGCCATTTCTTCCTA	114
QY	61	GGCTATTTTGTTCATGTAAAGTCACTTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG	120
DB	115	CTCCACCTGGCATGTAAAGTGAAGTTGCCAAACCGAGATTGCAGGCAGCAGGAATTCAG	174
QY	121	GATCGGTCTGAAACTGTGTCCCTGCAACAGTGTGGCCAGGATGGAGTTGTCTTAAG	180
DB	175	GATGATCTGAAACTGTGTCTCTCTGCAACAGTGTGGACCTGGCATGGAGTTGTCCAAG	234
QY	181	GAATGTGCTTCGGGTATGGGAGGATGCACAGTGTGTGACGTGCGGTGCACAGGTTTC	240
DB	235	GAATGTGCTTCGGGTATGGGAGGATGCACAGTGTGTGACGTGCGGTGCACAGGTTTC	294
QY	241	AAGGAGGACTGGGGTCTCCAGAAATGCAAGCCCTCTCTGGAGTCGGCAGTGGTGAACCGC	300
DB	295	AAGGAGGACTGGGGTCTCCAGAAATGTAAGCCATGTGCGGACTGTGCGTGTGTAACCGC	354
QY	301	TTTCAGAGGCAATTTGTTCAGCCACAGTGTATGCCATCTGGGGGACTGCTTGGCAGGA	360
DB	355	TTTCAGAGGCAATTTGTTCAGCCACAGTGTATGCCATCTGGGGGACTGCTTGGCAGGA	414
QY	361	TTTATAGGAACGCAAACTTTGTGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGAC	420
DB	415	TTTACCAGGAAGCAAACTGGTGGTGGTTCCTTCAAGACATGGAGTGTGCTTGTGGAGAC	474

TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
PCT-US94-05363A-1
Query Match 2.9%; Score 36.2; DB 5; Length 2486;
Best Local Similarity 56.2%; Pred. No. 0.5;
Matches 68; Conservative 0; Mismatches 53; Indels 0; Gaps 0;
QY 453 CAAGTCAACCTCGTGAAGATCGCTCCACGGCTCCAGCCACGGGACACGGCGTGGC 512
Db 2024 CAGCATCACTCAGCTGGGGTCAAGCCCGCCCTACACGGCTGGATCAAGGAGAGC 2083
QY 513 TGCCGTATCTCGAGCGCTCTGGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTAT 572
Db 2084 TGCCGAGCGTACTGTATTTCCCACTGGCCCATGGCACTCTGTATCACCTCATGT 2143
QY 573 C 573
Db 2144 C 2144

RESULT 9
US-09-103-875-2/c
Sequence 2, Application US/09103875A
Patent No. 6221849
GENERAL INFORMATION:
APPLICANT: Szyf, Moshe
APPLICANT: Bigey, Pascal
APPLICANT: Ramchandani, Shyam
TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
FILE REFERENCE: 106101.194
CURRENT APPLICATION NUMBER: US/09/103,875A
CURRENT FILING DATE: 1998-06-24
EARLIER APPLICATION NUMBER: 60/069,865
EARLIER FILING DATE: 1997-12-17
EARLIER APPLICATION NUMBER: 08/866,340
EARLIER FILING DATE: 1997-05-30
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 4136
TYPE: DNA
ORGANISM: Homo sapiens
US-09-103-875-2
Query Match 2.8%; Score 36; DB 4; Length 4136;
Best Local Similarity 49.5%; Pred. No. 0.79;
Matches 93; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 689 CCCACAGCCTGCTGCCAGTCCCGCGTACTAGTCAGTCAGACCTGCGGCGCGTGGCT 748
Db 3917 CCACCCAGCGCTCGCTCTCCCTGAGTCGTGTTCCCGCCATGTACTACCGCC 3858
QY 749 TGCTCCCATCCATGCTGTGAGGAGCCTGCAGCCCAACCCGCGCATCTTGTGTGTG 808
Db 3857 TCGGACATCGTCGGCAGGAGATGCGCGGAGCGCCAGTGTGGCACCCTGGGG 3798
QY 809 GGGTGCATCTCAGCAGCTCTTACGGCAAGAAACAGAGCCACCGGGGAGATGGTGC 868
Db 3797 CGGTAGCGCGCGCATCTCGAGGCTTACAGCAGCGCGCGCGCGAGCGCGCC 3738
QY 869 CGACTTTC 876
Db 3737 GCGTTTTC 3730

RESULT 10
US-09-372-934-3
Sequence 3, Application US/09372934
Patent No. 6248579

GENERAL INFORMATION:
APPLICANT: Stutzman-Engwall, Kim J.
APPLICANT: McArthur, Hamish
APPLICANT: Katoh, Yoshihiro
TITLE OF INVENTION: STREPTOMYCES AVERMITILIS GENE DIRECTING THE RATIO OF
FILE REFERENCE: PC10649
CURRENT APPLICATION NUMBER: US/09/372,934
CURRENT FILING DATE: 1999-08-12
EARLIER APPLICATION NUMBER: 60/074,636
EARLIER FILING DATE: 1998-02-13
EARLIER APPLICATION NUMBER: PCT/IB99/00130
EARLIER FILING DATE: 1999-01-25
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1150
TYPE: DNA
ORGANISM: Streptomyces hygroscopicus
FEATURE:
NAME/KEY: CDS
LOCATION: (58)...(990)
US-09-372-934-3
Query Match 2.8%; Score 35.6; DB 4; Length 1150;
Best Local Similarity 57.0%; Pred. No. 0.49;
Matches 65; Conservative 0; Mismatches 49; Indels 0; Gaps 0;
QY 448 GCCAGCAAGTCAACCTCGTGAAGATCGGTCCAGCGCTCCAGCCCGGACGCGGCGG 507
Db 142 GCCGACAGCGGTACCGCATCGAAGCGGTCCCGCGCCAGGGCGGTGGGACTCGGAG 201
QY 508 CTGGCTCGCTTATCTGCAGCGCTCTGCCACCGTCTGCTGGCCCTGCTCATC 561
Db 202 CGATCGCGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTC 255
RESULT 11
US-08-334-698-5
Sequence 5, Application US/08334698
Patent No. 5556753
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
TITLE OF INVENTION: Receptors and Uses Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/334,698
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/952,798
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 376901
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: (212) 422523 COOP UI

```

; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
US-08-228-932-5

Query Match          2.7%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

Qy      474  CGCGTCCACGGCTTCAGACGCCACGGGACACGGCGCTGGCTGTCGCGGTATCTGCAGCGCTCT 533
Db      635  CGAGGACGAGACCATCTGCCAGATCAACGAGGAGCGGGCTAGTGCTCTTCTCAGCGCT 694

Qy      534  GGGCACGGTCTGTGGCCCTGCTCATCCTCTGTGTCTATCTATGTGAAGACACAGTTTAT 593
Db      695  GGGGTCCTTCTACTGCTCTTGCGCATCATCTGGTTCATGCTACTGCCCGCGTCTACGTGGT 754

Qy      594  GGAGAGAAACCCAGCTGGTCTTCGCGTC 623
Db      755  GGCAAGAGGGAGAGCGGGGCGCTCAAGTC 784

RESULT 13
US-08-468-939-5
; Sequence 5, Application US/08468939
; Patent No. 5714381
; GENERAL INFORMATION:

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TITLE OF INVENTION: Receptors and Uses Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION NUMBER: US/08/468,939
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41337-1B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-468-939-5
Query Match 2.7%; Score 34.8; DB 1; Length 1639;

Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCACGGCTCCAGCCACGGGACACGGGCTGGCTGGCTGCGGTATCTGCAGCGCTCT 533
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGGACCGGGCTACGTGCTCTTCTCAGCGCT 694

QY 534 GCGCCACCGCTCTGCTGGCCCTGCTCATCTCTGCTGCTCATCTATTGTAAGAGACAGTTTAT 593
DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTGCTACTGCGCGTCTACGTGCT 754

QY 594 GGAGAGAAACCCAGCTGCTCTCGGCTC 623
DB 755 GCGCAAGAGGAGAGCGGGGCTCAAGTC 784

RESULT 14

US-08-406-855A-5
; Sequence 5, Application US/08406855A
; Patent No. 5861309
; GENERAL INFORMATION:
; APPLICANT: Jonathan A. Bard et al.
; TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
; TITLE OF INVENTION: Receptors and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/406,855A
; FILING DATE: 21-AUG-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41337-A-PCT-US/JPW/KDB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
US-08-406-855A-5

Query Match 2.7%; Score 34.8; DB 2; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCACGGCTCCAGCCACGGGACACGGGCTGGCTGGCTGCGGTATCTGCAGCGCTCT 533
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGGACCGGGCTACGTGCTCTTCTCAGCGCT 694

QY 534 GCGCCACCGCTCTGCTGGCCCTGCTCATCTCTGCTGCTCATCTATTGTAAGAGACAGTTTAT 593
DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTGCTACTGCGCGTCTACGTGCT 754

DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTGCTACTGTCGCCGCTCTACGTGCT 754

QY 594 GGAGAGAAACCCAGCTGCTCTCGGCTC 623

DB 755 GCGCAAGAGGAGAGCGGGGCTCAAGTC 784

RESULT 15

US-08-722-190-5
; Sequence 5, Application US/08722190
; Patent No. 5990128
; GENERAL INFORMATION:
; APPLICANT: Charles Gluchowski, Carlos C. Forray, George
; APPLICANT: Chiu, Theresa A. Branche, John M. Wetzel and Paul R. Hartig
; TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO
; TITLE OF INVENTION: TREAT BENIGN PROSTATIC HYPERPLASIA
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722,190
; FILING DATE: 4-APR-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41878-D-PCT/JPW/AGL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
US-08-722-190-5

Query Match 2.7%; Score 34.8; DB 2; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCACGGCTCCAGCCACGGGACACGGGCTGGCTGGCTGCGGTATCTGCAGCGCTCT 533
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGGACCGGGCTACGTGCTCTTCTCAGCGCT 694

QY 534 GCGCCACCGCTCTGCTGGCCCTGCTCATCTCTGCTGCTCATCTATTGTAAGAGACAGTTTAT 593
DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTGCTACTGCGCGTCTACGTGCT 754

QY 594 GGAGAGAAACCCAGCTGCTCTCGGCTC 623
DB 755 GCGCAAGAGGAGAGCGGGGCTCAAGTC 784

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Job time : 69.0096 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 21:17:37 ; Search time 190.128 Seconds

(without alignments)
9794.263 Million cell updates/sec

Title: US-09-380-276A-5

Perfect score: 1269

Sequence: 1 atggctttaaagtgtact.....ggcagcgactgggtccctg 1269

Scoring table:

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Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1267.4	99.9	1325	10	US-09-780-532-3
2	1267.4	99.9	1502	9	US-10-114-893-120
3	1243.2	98.0	1660	10	US-09-780-532-1
4	1240	97.7	2870	9	US-10-174-590-473
5	1240	97.7	2870	9	US-10-176-758-473
6	1240	97.7	2870	9	US-10-175-737-473
7	1240	97.7	2870	9	US-10-173-706-473
8	1240	97.7	2870	9	US-10-175-738-473
9	1240	97.7	2870	9	US-10-175-752-473
10	1240	97.7	2870	9	US-10-176-482-473
11	1240	97.7	2870	9	US-10-176-757-473
12	1240	97.7	2870	9	US-10-176-913-473
13	1240	97.7	2870	9	US-10-180-552-473
14	1240	97.7	2870	9	US-10-180-557-473
15	1240	97.7	2870	9	US-10-173-700-473
16	1240	97.7	2870	9	US-10-174-572-473
17	1240	97.7	2870	9	US-10-174-579-473
18	1240	97.7	2870	9	US-10-174-582-473
19	1240	97.7	2870	9	US-10-174-588-473

20	1240	97.7	2870	9	US-10-175-739-473	Sequence 473, App
21	1240	97.7	2870	9	US-10-175-740-473	Sequence 473, App
22	1240	97.7	2870	9	US-10-175-743-473	Sequence 473, App
23	1240	97.7	2870	9	US-10-176-488-473	Sequence 473, App
24	1240	97.7	2870	9	US-10-176-492-473	Sequence 473, App
25	1240	97.7	2870	9	US-10-176-747-473	Sequence 473, App
26	1240	97.7	2870	9	US-10-176-750-473	Sequence 473, App
27	1240	97.7	2870	9	US-10-176-985-473	Sequence 473, App
28	1240	97.7	2870	9	US-10-176-987-473	Sequence 473, App
29	1240	97.7	2870	9	US-10-176-991-473	Sequence 473, App
30	1240	97.7	2870	9	US-10-176-992-473	Sequence 473, App
31	1240	97.7	2870	9	US-10-176-993-473	Sequence 473, App
32	1240	97.7	2870	9	US-10-184-658-473	Sequence 473, App
33	1240	97.7	2870	9	US-10-227-884-219	Sequence 219, App
34	1240	97.7	2870	9	US-10-173-695-473	Sequence 473, App
35	1240	97.7	2870	9	US-10-173-697-473	Sequence 473, App
36	1240	97.7	2870	9	US-10-173-705-473	Sequence 473, App
37	1240	97.7	2870	9	US-10-174-576-473	Sequence 473, App
38	1240	97.7	2870	9	US-10-174-585-473	Sequence 473, App
39	1240	97.7	2870	9	US-10-174-586-473	Sequence 473, App
40	1240	97.7	2870	9	US-10-175-747-473	Sequence 473, App
41	1240	97.7	2870	9	US-10-176-481-473	Sequence 473, App
42	1240	97.7	2870	9	US-10-176-485-473	Sequence 473, App
43	1240	97.7	2870	9	US-10-176-487-473	Sequence 473, App
44	1240	97.7	2870	9	US-10-176-493-473	Sequence 473, App
45	1240	97.7	2870	9	US-10-176-756-473	Sequence 473, App

ALIGNMENTS

RESULT 1
US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
US-09-780-532-3

Query Match	99.9%	Score 1267.4;	DB 10;	Length 1325;
Best Local Similarity	99.9%;	Pred. No. 0;		
Matches 1268;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
QY	1	ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAGCTTTTTCACCTCTTTTACTATTACTA	60	
Db	1	ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAGCTTTTTCACCTCTTTTACTATTACTA	60	
QY	61	GGCTATTGTGTCATGTAAAGTGTGTAACAGAGAGCTGTGTAACAGAGAAATTCAGG	120	
Db	61	GGCTATTGTGTCATGTAAAGTGTGTAACAGAGAGCTGTGTAACAGAGAAATTCAGG	120	
QY	121	GATCGGCTCGGAACTGTGTTCCCTGCAACAGTGTGGCCAGGATGAGTTGCTTAAG	180	
Db	121	GATCGGCTCGGAACTGTGTTCCCTGCAACAGTGTGGCCAGGATGAGTTGCTTAAG	180	

181 GAATGTGGCTTCGGCTATCGGAGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTTC 240
Db |||||
181 GAATGTGGCTTCGGCTATCGGAGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTTC 240
Qy |||||
241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGAATGCGCAGTGTGAACCGC 300
Db |||||
241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGAATGCGCAGTGTGAACCGC 300
Qy |||||
301 TTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 360
Db |||||
301 TTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 360
Qy |||||
361 TTTCATAGAGACGAAATCTGTGCGCTTTCAAGACATGAGTGTGTGCGCTTGTGAGAC 420
Db |||||
361 TTTCATAGAGACGAAATCTGTGCGCTTTCAAGACATGAGTGTGTGCGCTTGTGAGAC 420
Qy |||||
421 CCTCTCTCCTTACGAACGGCACTGTGCGCAGGATCAACTGTGGAAGATCGGCTCC 480
Db |||||
421 CCTCTCTCCTTACGAACGGCACTGTGCGCAGGATCAACTGTGGAAGATCGGCTCC 480
Qy |||||
481 ACGGCTCCAGCCACGGGACACGGGCTGGCTGCTTATCTGACGCGCTCTGGCCACC 540
Db |||||
481 ACGGCTCCAGCCACGGGACACGGGCTGGCTGCTTATCTGACGCGCTCTGGCCACC 540
Qy |||||
541 GTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAAGACAGTATTATGGAAG 600
Db |||||
541 GTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAAGACAGTATTATGGAAG 600
Qy |||||
601 AAACCCAGTGTCTCTGGGTACAGGACATTCAGTACAAAGGCTCAGCTGCTGCTG 660
Db |||||
601 AAACCCAGTGTCTCTGGGTACAGGACATTCAGTACAAAGGCTCAGCTGCTGCTG 660
Qy |||||
661 CTTGACAGACCTCAGCTCACGAATATGCCACAGAGCCTGTGCTCCAGTCCGCGCTGAC 720
Db |||||
661 CTTGACAGACCTCAGCTCACGAATATGCCACAGAGCCTGTGCTCCAGTCCGCGCTGAC 720
Qy |||||
721 TCAGTGCAGACCTGCGGGCGGTCGCTGCTCCATTCATGCTGTGAGGAGGCTGTC 780
Db |||||
721 TCAGTGCAGACCTGCGGGCGGTCGCTGCTCCATTCATGCTGTGAGGAGGCTGTC 780
Qy |||||
781 AGCCCCAACCCGCGACTCTTGGTGTGGGGTGCAATTCGACGCACTTTCAGGCAAGA 840
Db |||||
781 AGCCCCAACCCGCGACTCTTGGTGTGGGGTGCAATTCGACGCACTTTCAGGCAAGA 840
Qy |||||
841 AACGCAAGCCAGCCGCGGAGATGGTCCGACTTTCTTGGATCCCTCAGCAGTCCATC 900
Db |||||
841 AACGCAAGCCAGCCGCGGAGATGGTCCGACTTTCTTGGATCCCTCAGCAGTCCATC 900
Qy |||||
901 TGTGGCGAGTTTTCAGATGCTGGCTCTGATGCAGAAATCCATGGGTGTGCAACATC 960
Db |||||
901 TGTGGCGAGTTTTCAGATGCTGGCTCTGATGCAGAAATCCATGGGTGTGCAACATC 960
Qy |||||
961 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1020
Db |||||
961 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1020
Qy |||||
1021 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGGTGGTGGGGCTGTT 1080
Db |||||
1021 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGGTGGTGGGGCTGTT 1080
Qy |||||
1081 CCAGTCCAGTCTCATTTCTGAAAATCTTTACAGCAGTACTGATTTATCTAGATATAAAC 1140
Db |||||
1081 CCAGTCCAGTCTCATTTCTGAAAATCTTTACAGCAGTACTGATTTATCTAGATATAAAC 1140
Qy |||||
1141 ACACCTGGTGAATCAGCATCACTCAGGATGCACTAATATGAGAGCCAGCTAGATCAG 1200
Db |||||
1141 ACACCTGGTGAATCAGCATCACTCAGGATGCACTAATATGAGAGCCAGCTAGATCAG 1200
Qy |||||
1201 GAGAGTGGCGCTATCATCCACCGACCTCAGACGCTCCCTCCAGGTAAAGGACGCACTG 1260
Db |||||
1201 GAGAGTGGCGCTATCATCCACCGACCTCAGACGCTCCCTCCAGGTAAAGGACGCACTG 1260

Qy 1261 GGTTCCTG 1269
Db 1261 GGTTCCTG 1269

RESULT 2

US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; CURRENT FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-114-893-120

Query Match 99.9%; Score 1267.4; DB 9; Length 1502;

Best Local Similarity 99.9%; Pred. No. 0;
Matches 1268; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATGGCTTTTAAAGTCTACTAGAAACAAGAGAAACGTTTTTTCACCTCTTTTAGTATTACTA 60
Db 51 ATGGCTTTTAAAGTCTACTAGAAACAAGAGAAACGTTTTTTCACCTCTTTTAGTATTACTA 110
Qy 61 GCCTATTTGTCTATGTAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTCAGG 120
Db 111 GCCTATTTGTCTATGTAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTCAGG 170
Qy 121 GATCGTCTGGAACACTGTCTCCCTGCAACCACTGTGGGCCAGGATGAGTTGCTAAG 180
Db 171 GATCGTCTGGAACACTGTCTCCCTGCAACCACTGTGGGCCAGGATGAGTTGCTAAG 230
Qy 181 GAATGTGGCTTCGGCTATGCGGAGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTTC 240
Db 231 GAATGTGGCTTCGGCTATGCGGAGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTTC 290
Qy 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAATGCGCAGTGTGTGAACCGC 300
Db 291 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAATGCGCAGTGTGTGAACCGC 350
Qy 301 TTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGGCCAGGA 360
Db 351 TTTCAGAGGCAAAATGTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGGCCAGGA 410
Qy 361 TTTCATAGAGACGAAATCTGTGCGCTTTCAAGACATGAGTGTGTGCGCTTGTGAGAC 420
Db 411 TTTCATAGAGACGAAATCTGTGCGCTTTCAAGACATGAGTGTGTGCGCTTGTGAGAC 470
Qy 421 CTTCTCTCTCTTTCAGAACCGCACTGTGCGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC 480
Db 471 CTTCTCTCTCTTTCAGAACCGCACTGTGCGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC 530
Qy 481 ACGGCTCTCCAGCCACGGGACACGGCGCTGGCTGCGCTTATCTGACGCGCTCTGGCCACC 540

Db 531 |||||ACGGCTCCAGGCCACGGGACACGGGCTGGCTGCGTTATCTGACGCGCTCTGGCCACC 590
Qy 541 |||||GTCCTGCTGCGCTGCTCTCTCTGCTGCTCATCTATTGTAAGACAGAGTTTATGAGAG 600
Db 591 |||||GTCCTGCTGCGCTGCTCTCTCTGCTGCTCATCTATTGTAAGACAGAGTTTATGAGAG 650
Qy 601 |||||AAACCCAGCTGCTCTCTGCGGTACAGGACATTCAGTACAAACGGCTCTGAGCTGCTG 660
Db 651 |||||AAACCCAGCTGCTCTCTGCGGTACAGGACATTCAGTACAAACGGCTCTGAGCTGCTG 710
Qy 661 |||||CTTGACAGACCTCAGCTCAGCAATATGCCACAGAGCTGCTGCCAGTGGCGCGCTGAC 720
Db 711 |||||CTTGACAGACCTCAGCTCAGCAATATGCCACAGAGCTGCTGCCAGTGGCGCGCTGAC 770
Qy 721 |||||TCAGTGCAGACCTGCGGCGGCTGCGCTGCTCCCATCATCTGCTGCTGAGGAGCGCTGC 780
Db 771 |||||TCAGTGCAGACCTGCGGCGGCTGCGCTGCTCCCATCATCTGCTGCTGAGGAGCGCTGC 830
Qy 781 |||||AGCCCCAAACCCGCGGCTCTTGGTGTGGGGTGCAATTCGACGCCAGTCTTCAGGCAAGA 840
Db 831 |||||AGCCCCAAACCCGCGGCTCTTGGTGTGGGGTGCAATTCGACGCCAGTCTTCAGGCAAGA 890
Qy 841 |||||AAGCGAGGCCAGCGCGGAGATGGTCCGACTTCTTCGGATCCCTCAGCGAGTCCATC 900
Db 891 |||||AAGCGAGGCCAGCGCGGAGATGGTCCGACTTCTTCGGATCCCTCAGCGAGTCCATC 950
Qy 901 |||||TGCGGCGAGTTTTCAGATCGCTGGCTCTGATGCAGAAATCCCATGGGTGCTGACAAATC 960
Db 951 |||||TGCGGCGAGTTTTCAGATCGCTGGCTCTGATGCAGAAATCCCATGGGTGCTGACAAATC 1010
Qy 961 |||||TCTTTTGTGACTCTTATCTGAACCTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1020
Db 1011 |||||TCTTTTGTGACTCTTATCTGAACCTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1070
Qy 1021 |||||CTTGAAGCTCAAGCTCTTGGATTCAAATAGCAGTCAAGATTTGGTGGGCGCTGTT 1080
Db 1071 |||||CTTGAAGCTCAAGCTCTTGGATTCAAATAGCAGTCAAGATTTGGTGGGCGCTGTT 1130
Qy 1081 |||||CAGTCCAGTCTCATCTGAAACTTTACAGCAGCTACTGATTTATCTAGATATAACAA 1140
Db 1131 |||||CAGTCCAGTCTCATCTGAAACTTTACAGCAGCTACTGATTTATCTAGATATAACAA 1190
Qy 1141 |||||ACACTGGTGAATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200
Db 1191 |||||ACACTGGTGAATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1250
Qy 1201 |||||GAGAGTGGGCTATCATCAACCCAGCCACTCAGACGTCCCTCCAGTAAAGGACGAGCTG 1260
Db 1251 |||||GAGAGTGGGCTATCATCAACCCAGCCACTCAGACGTCCCTCCAGTAAAGGACGAGCTG 1310
Qy 1261 |||||GGTTCCCTG 1269
Db 1311 |||||GGTTCCCTG 1319

RESULT 3
US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780, 532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1251)
US-09-780-532-1

Query Match 98.0%; Score 1243.2; DB 10; Length 1660;
Best Local Similarity 99.8%; Pred.No. 0;
Matches 1245; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAAGTGTTCCTCTCTTTTACTATTACTA 60
Db 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAAGTGTTCCTCTCTTTTACTATTACTA 60
Qy 61 GGCTATTTGT CATGTAAAGTGTGTGAAACAGAGAGACTGTGACAGCAAGAATTCAGG 120
Db 61 GGCTATTTGT CATGTAAAGTGTGTGAAATCAGAGAGACTGTGACAGCAAGAATTCAGG 120
Qy 121 GATCGGCTCGGAACTGTTCCTGCAACAGTGTGGGCCAGGCGATCGAGTGTCTAAG 180
Db 121 GATCGGCTCGGAACTGTTCCTGCAACAGTGTGGGCCAGGCGATCGAGTGTCTAAG 180
Qy 181 GAATGTGGCTTCGGGTATGGGAGGATGCAAGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 181 GAATGTGGCTTCGGGTATGGGAGGATGCAAGTGTGACGTGCGGCTGCACAGGTTTC 240
Qy 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCATGTGTGAACCCG 300
Db 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCATGTGTGAACCCG 300
Qy 301 TTTTCAGAGGCAAAATTTGTCAGCCACAGTGTATGTCATCTCGGGGAGCTGCTTGCAGGA 360
Db 301 TTTTCAGAGGCAAAATTTGTCAGCCACAGTGTATGTCATCTCGGGGAGCTGCTTGCAGGA 360
Qy 361 TTTTATAGAGACGAAACTTGTCTGGCTTTCAAGACATGGAGTGTGTCTTGTGGAGAC 420
Db 361 TTTTATAGAGACGAAACTTGTCTGGCTTTCAAGACATGGAGTGTGTCTTGTGGAGAC 420
Qy 421 CCTCTCTCTCTTACGAAACCGGCTGTCGACAGCAAGTCAACCTCGTGAAGATTCGGTCC 480
Db 421 CCTCTCTCTCTTACGAAACCGGCTGTCGACAGCAAGTCAACCTCGTGAAGATTCGGTCC 480
Qy 481 ACGGCTCCAGCCACGGGACACGGGCTGCTGCTGCTTATCTGACGCGCTCTGCCACC 540
Db 481 ACGGCTCCAGCCACGGGACACGGGCTGCTGCTGCTTATCTGACGCGCTCTGCCACC 540
Qy 541 GTCTGTCTGGCCCTGCTCATCTCTGTGTCTATTTGTAAGAGACAGTTTATGGAGAAG 600
Db 541 GTCTGTCTGGCCCTGCTCATCTCTGTGTCTATTTGTAAGAGACAGTTTATGGAGAAG 600
Qy 601 AAACCCAGCTGCTCTGCGGTCAAGGACATTCAGTACAAACGGCTCTGAGCTGCTG 660
Db 601 AAACCCAGCTGCTCTGCGGTCAAGGACATTCAGTACAAACGGCTCTGAGCTGCTG 660
Qy 661 CTTGACAGACCTCAGCTCAGCAATATGCCACAGAGCTGCTGCCAGTGGCGCGCTGAC 720
Db 661 CTTGACAGACCTCAGCTCAGCAATATGCCACAGAGCTGCTGCCAGTGGCGCGCTGAC 720
Qy 721 TCAGTGCAGACCTGCGGCGGCTGCGCTTGTCTCCCATCATCTGCTGCTGAGGAGCGCTGC 780
Db 721 TCAGTGCAGACCTGCGGCGGCTGCGCTTGTCTCCCATCATCTGCTGCTGAGGAGCGCTGC 780
Qy 781 AGCCCCAAACCCGCGGCTCTTGGTGTGGGGTGCAATTCGACGCCAGTCTTCAGGCAAGA 840
Db 781 AGCCCCAAACCCGCGGCTCTTGGTGTGGGGTGCAATTCGACGCCAGTCTTCAGGCAAGA 840
Qy 841 AAGCGAGGCCAGCGCGGAGATGGTCCGACTTCTTCGGATCCCTCAGCGAGTCCATC 900
Db 841 AAGCGAGGCCAGCGCGGAGATGGTCCGACTTCTTCGGATCCCTCAGCGAGTCCATC 900

; Sequence 473, Application US/10176758
; Publication No. US2003008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GCGTATTTCATGTAAAGTACTTGTGAAACAGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GCGTATTTCATGTAAAGTACTTGTGAAACAGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGGTCTGAAACGTGTTCCTGCAACAGTGTGGCCAGGCAATGAGTTGTCTAAG 180
DB 305 GATCGGTCTGAAACGTGTTCCTGCAACAGTGTGGCCAGGCAATGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCGCGTGCACAGGTTTC 240
DB 365 GAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCGCGTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATCCAGACCTGTCTGACCTGCGCAGTGGTGAACCGC 300
DB 425 AAGGAGGACTGGGGCTTCAGAAATCCAGACCTGTCTGACCTGCGCAGTGGTGAACCGC 484
QY 301 TTTCAGAGGCAATTTGTTTCAGCCACAGTGTGATGCCATCTGCGGGGACTGCTTGCACGGA 360
DB 485 TTTCAGAGGCAATTTGTTTCAGCCACAGTGTGATGCCATCTGCGGGGACTGCTTGCACGGA 544
QY 361 TTTTATAGGAAGACGAAACTGTGCGCTTTCAAGACATGGAGTGTGTGCTTTGTGAGAC 420
DB 545 TTTTATAGGAAGACGAAACTGTGCGCTTTCAAGACATGGAGTGTGTGCTTTGTGAGAC 604
QY 421 CCTCTCTCTCTTACGAAACGCGACTGTGCGCAAGGTCACCTCTGTAAGATCGCGTCC 480
DB 605 CCTCTCTCTCTTACGAAACGCGACTGTGCGCAAGGTCACCTCTGTAAGATCGCGTCC 664
QY 481 ACGGCTCCAGCCACGCGGACAGCGCTGGCTGCGTTATCTGACGCGCTCTGGCCACC 540
DB 665 ACGGCTCCAGCCACGCGGACAGCGCTGGCTGCGTTATCTGACGCGCTCTGGCCACC 724
QY 541 GTCCTGCGCCCTGCTCATCTCTGTGTCTATCTATTGTAAAGACAGAGTTTATGGAGAAG 600
DB 725 GTCCTGCGCCCTGCTCATCTCTGTGTCTATCTATTGTAAAGACAGAGTTTATGGAGAAG 784
QY 601 AAACCCAGCTGTCTCTGGGTGACAGGACATTCAGTACAAACGCGCTCTGAGCTGTCTGT 660

DB 785 AAACCCAGCTGGTCTCTGCGGTGCGAGGACATTCAGTACAAACGCGCTCTGAGCTGTCTGT 844
QY 661 CTTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTGTGTCAGTGGCGCGCTGAC 720
DB 845 TTTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTGTGTCAGTGGCGCGCTGAC 904
QY 721 TCAGTGCAGACCTGCGGGCGGTGGCTTGTGCTGCCATCCATGCTGTGTGAGAGCGCTGC 780
DB 905 TCAGTGCAGACCTGCGGGCGGTGGCTTGTGCTGCCATCCATGCTGTGTGAGAGCGCTGC 964
QY 781 AGCCCAACCCGCGGACTCTTGGTGTGGGGTGCATTCGAGCCAGTCTTCAGGCAAGA 840
DB 965 AGCCCAACCCGCGGACTCTTGGTGTGGGGTGCATTCGAGCCAGTCTTCAGGCAAGA 1024
QY 841 AACGAGGCGCCAGCGCGGAGATGGTGGGACTTTCTTCGATCCCTCAACGAGTCCATC 900
DB 1025 AACGAGGCGCCAGCGCGGAGATGGTGGGACTTTCTTCGATCCCTCAACGAGTCCATC 1084
QY 901 TGTGGCAGTGTTCAGATGCGTGGCTCTGATGCGAAGATCCCATGGGTGGTGAACATC 960
DB 1085 TGTGGCAGTGTTCAGATGCGTGGCTCTGATGCGAAGATCCCATGGGTGGTGAACATC 1144
QY 961 TCTTTTGTGACTCTTATCTCTGAACTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1020
DB 1145 TCTTTTGTGACTCTTATCTCTGAACTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTCTTTGGATTCAATAGCAGTCAAGATTTGGTGGGCTGTT 1080
DB 1205 CTTGAAAGCTCAACGCTCTTTGGATTCAATAGCAGTCAAGATTTGGTGGGCTGTT 1264
QY 1081 CAGTCCAGTCTCATTTTGAAACCTTTACAGCAGCTACTGTATTTATCTAGATATAACAC 1140
DB 1265 CAGTCCAGTCTCATTTTGAAACCTTTACAGCAGCTACTGTATTTATCTAGATATAACAC 1324
QY 1141 ACAGTGTAGATCAGATCACTCAGATGCACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1200
DB 1325 ACAGTGTAGATCAGATCACTCAGATGCACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1384
QY 1201 GAGAGTGGCGCTATCATCCACCCAGCTCAGAGCTCCCTCCAGGTA 1248
DB 1385 GAGAGTGGCGCTATCATCCACCCAGCTCAGAGCTCCCTCCAGGAA 1432

RESULT 6

US-10-175-737-473
; Sequence 473, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-737-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;

Best Local Similarity 99.6%; Pred. No. 0; Mismatches 5; Indels 0; Gaps 0;
Matches 1243; Conservative 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTGTGTCATGTAAGTGAATTGTGAAACAGGAGACTGTAGACAGCAAGAAATTGAG 120
DB 245 GGCTATTGTGTCATGTAAGTGAATTGTGAAACAGGAGACTGTAGACAGCAAGAAATTGAG 304
QY 121 GATCGGTCTGGAACACTGTGTTCCCTGCACCACTGTGGCCAGGCAATGAGTGTCTAAG 180
DB 305 GATCGGTCTGGAACACTGTGTTCCCTGCACCACTGTGGCCAGGCAATGAGTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGACACAGTGTGTGACGTGCCGGCTGCACAGTTTC 240
DB 365 GAATGTGGCTTCGGCTATGGGAGGATGACACAGTGTGTGACGTGCCGGCTGCACAGTTTC 424
QY 241 AAGGAGACTTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAAGTGCAGTGTGGAACCCG 300
DB 425 AAGGAGACTTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAAGTGCAGTGTGGAACCCG 484
QY 301 TTTTCAGAGCAATTTGTTTCAGCAACCACTGATGCCATCTGCGGGACTGCTTGGCCAGG 360
DB 485 TTTTCAGAGCAATTTGTTTCAGCAACCACTGATGCCATCTGCGGGACTGCTTGGCCAGG 544
QY 361 TTTTATAGGAAGACGAAACTGTTCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGAC 420
DB 545 TTTTATAGGAAGACGAAACTGTTCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGAC 604
QY 421 CTTCTCTCTCTTACGAACCGCACTGTGCGAGCAAGTCAACTCTGTGAAGATTCGGTTC 480
DB 605 CTTCTCTCTCTTACGAACCGCACTGTGCGAGCAAGTCAACTCTGTGAAGATTCGGTTC 664
QY 481 ACGGCTTCCAGCCACGGGACAGCGGCTGGCTGCGTTATCTGCAGCGCTTGGCCACC 540
DB 665 ACGGCTTCCAGCCACGGGACAGCGGCTGGCTGCGTTATCTGCAGCGCTTGGCCACC 724
QY 541 GTCTGTGCGCTCTGCTCATCTCTGTGTCTATCTATTGTAAGACAGATTTATGGAGAAG 600
DB 725 GTCTGTGCGCTCTGCTCATCTCTGTGTCTATCTATTGTAAGACAGATTTATGGAGAAG 784
QY 601 AAACCCAGCTGTCTGTGCGGTGACAGGACATTCAGTACAAACCGCTCTGAGCTGTGCTGT 660
DB 785 AAACCCAGCTGTCTGTGCGGTGACAGGACATTCAGTACAAACCGCTCTGAGCTGTGCTGT 844
QY 661 CTTTCAGACACTCAGCTCCAGCAATATGCCACAGAGCCCTGCTGCGCAGTCCGCCCTGAC 720
DB 845 TTTTCAGACACTCAGCTCCAGCAATATGCCACAGAGCCCTGCTGCGCAGTCCGCCCTGAC 904
QY 721 TCAGTGCAGACTGCGGGCGGTGCGCTTGTCTCCCATCTGCTGTGAGGAGGCTGC 780
DB 905 TCAGTGCAGACTGCGGGCGGTGCGCTTGTCTCCCATCTGCTGTGAGGAGGCTGC 964
QY 781 AGCCCCAACCCGCGCACTTCTGTGTGTGGGTGCAATTCGACCGCACTTTCAGGCAAGA 840
DB 965 AGCCCCAACCCGCGCACTTCTGTGTGTGGGTGCAATTCGACCGCACTTTCAGGCAAGA 1024
QY 841 AAGCAGGCCCCAGCGGGAGATGGTCCGACATTTCTTCGGATCCCTCAGCAGTCCATC 900
DB 1025 AAGCAGGCCCCAGCGGGAGATGGTCCGACATTTCTTCGGATCCCTCAGCAGTCCATC 1084
QY 901 TGTGGCAGTTCATGATGCTGGCTCTGATGAGAAATCCCATGGGTGGTGCACAAATC 960
DB 1085 TGTGGCAGTTCATGATGCTGGCTCTGATGAGAAATCCCATGGGTGGTGCACAAATC 1144
QY 961 TCTTTTGTGACTTCTTATCTGAACTCACTGGAAGACATTCATCTCTCAATTCAGAA 1020
DB 1145 TCTTTTGTGACTTCTTATCTGAACTCACTGGAAGACATTCATCTCTCAATTCAGAA 1204
QY 1021 CTTGAAAGCTCAAGCTCTTTGGATTCAATAGCAGTCAAGATTTGTTGGTGGGCTGTT 1080

DB 1205 CTTGAAAGCTCAACGCTCTTTGGATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
QY 1081 CCAGTCCAGTCTCATTTCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAC 1140
DB 1265 CCAGTCCAGTCTCATTTCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAC 1324
QY 1141 ACATGTTAGTATGAGCATCAACTCAGGATGCACTAACTATGAGAAAGCCAGCTAGATCAG 1200
DB 1325 ACATGTTAGTATGAGCATCAACTCAGGATGCACTAACTATGAGAAAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGCTATCATCCACCACCCACTCAGACGTCCTCCACGTA 1248
DB 1385 GAGAGTGGCGCTATCATCCACCACCCACTCAGACGTCCTCCACGTA 1432

RESULT 7
US-10-173-706-473
; Sequence 473, Application US/10173706
; Publication No. US2003002293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-706-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTGTGTCATGTAAGTGAATTGTGAAACAGGAGACTGTAGACAGCAAGAAATTGAG 120
DB 245 GGCTATTGTGTCATGTAAGTGAATTGTGAAACAGGAGACTGTAGACAGCAAGAAATTGAG 304
QY 121 GATCGGTCTGGAACACTGTGTTCCCTGCACCACTGTGGCCAGGCAATGAGTGTCTAAG 180
DB 305 GATCGGTCTGGAACACTGTGTTCCCTGCACCACTGTGGCCAGGCAATGAGTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGACACAGTGTGTGACGTGCCGGCTGCACAGTTTC 240
DB 365 GAATGTGGCTTCGGCTATGGGAGGATGACACAGTGTGTGACGTGCCGGCTGCACAGTTTC 424
QY 241 AAGGAGACTTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAAGTGCAGTGTGGAACCCG 300
DB 425 AAGGAGACTTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAAGTGCAGTGTGGAACCCG 484
QY 301 TTTTCAGAGCAATTTGTTTCAGCAACCACTGATGCCATCTGCGGGACTGCTTGGCCAGG 360
DB 485 TTTTCAGAGCAATTTGTTTCAGCAACCACTGATGCCATCTGCGGGACTGCTTGGCCAGG 544
QY 361 TTTTATAGGAAGACGAAACTTTGCTGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGAC 420

545 TTTTATAGAGACGAAACTTGTGGCTTTCAGACATGGAGTGTGCTTGTGGAGAC 604
421 CCTCTCTCTCTTACGACCGCACTGTGCGCAAGGTCACCTCGTGAAGATCGCGTCC 480
605 CCTCTCTCTCTTACGACCGCACTGTGCGCAAGGTCACCTCGTGAAGATCGCGTCC 664
481 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTGTATCTGAGCGCTCTGCGCAC 540
665 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTGTATCTGAGCGCTCTGCGCAC 724
541 GTCTGTGCGGCTGTCTATCTCTGTGTCTGTATCTGTATGTAAGACAGAGTATGAGAG 600
725 GTCTGTGCGGCTGTCTATCTCTGTGTCTGTATCTGTATGTAAGACAGAGTATGAGAG 784
601 AAACCCAGCTGTCTCTGCGGTTCAGAGCAATTCAGTACCAAGCTCTGAGCTGTGCTGT 660
785 AAACCCAGCTGTCTCTGCGGTTCAGAGCAATTCAGTACCAAGCTCTGAGCTGTGCTGT 844
661 TTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGCAC 720
845 TTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGCAC 904
721 TCAGTGCAGACCTGCGGCGGCTGTGCTGCTCCATCCATGCTGTGTGAGGAGGCTGC 780
905 TCAGTGCAGACCTGCGGCGGCTGTGCTGCTCCATCCATGCTGTGTGAGGAGGCTGC 964
781 AGCCCCAACCGCGGCTCTGCTGTGTGCGGTTCAGTACCAAGCTCTGAGCAAGAG 840
965 AGCCCCAACCGCGGCTCTGCTGTGTGCGGTTCAGTACCAAGCTCTGAGCAAGAG 1024
841 AAGCAGGCGCGGCGGAGATGCTGCGGCTCTTCTCGGATCCCTCAGCGAGTCCATC 900
1025 AAGCAGGCGCGGCGGAGATGCTGCGGCTCTTCTCGGATCCCTCAGCGAGTCCATC 1084
901 TGTGGGAGTTTTCAGATGCTGCGCTCTGATGCGAATCCATGCGTGGTGTGCAACATC 960
1085 TGTGGGAGTTTTCAGATGCTGCGCTCTGATGCGAATCCATGCGTGGTGTGCAACATC 1144
961 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1020
1145 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1204
1021 CTTGAAAGCTCAAGCTCTTTGGAATCAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1080
1205 CTTGAAAGCTCAAGCTCTTTGGAATCAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1264
1081 CAGTCCAGTCTCATTTCTGAAACTTTACAGCGCTACTGATTTATCTAGATATACACAC 1140
1265 CCAGTCCAGTCTCATTTCTGAAACTTTACAGCGCTACTGATTTATCTAGATATACACAC 1324
1141 ACAGTGTAGATCAGCATCACTCAGGATGCACTAACTATGAGAGCGCAGCTAGATCAG 1200
1325 ACAGTGTAGATCAGCATCACTCAGGATGCACTAACTATGAGAGCGCAGCTAGATCAG 1384
1201 GAGAGTGGGCTATCATCCACCGCAGCTCTGAGCGTCCCTCCAGGTA 1248
1385 GAGAGTGGGCTATCATCCACCGCAGCTCTGAGCGTCCCTCCAGGTA 1432

RESULT 8

US-10-175-738-473
; Sequence 473, Application US/10175738
; Publication No. US2003002294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R145
; CURRENT APPLICATION NUMBER: US/10175,738
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-738-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;

Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAAAGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAAAGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTGTGCATGTAAAGTGTCTGTGAAACAGAGAGACTGTAGACACAGAAATTCAGG 120
DB 245 GGCTATTGTGCATGTAAAGTGTCTGTGAAATCAGAGAGACTGTAGACACAGAAATTCAGG 304
QY 121 GATGGCTGTGAAACTGTGTTCCCTGCAACAGAGTGTGGCCAGGATCGAGTGTGCTTAAG 180
DB 305 GATGGCTGTGAAACTGTGTTCCCTGCAACAGAGTGTGGCCAGGATCGAGTGTGCTTAAG 364
QY 181 GAATGTGCTTCGGCTATGCGGAGGATGCACAGTGTGTGAGTGTGCGGCTGCACAGGTTTC 240
DB 365 GAATGTGCTTCGGCTATGCGGAGGATGCACAGTGTGTGAGTGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTGTCTGAGACTGCGCAGTGGTGAACCGC 300
DB 425 AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTGTCTGAGACTGCGCAGTGGTGAACCGC 484
QY 301 TTTTCAAGAGGCAAAATTTGTTTTCAGCCACAGTGTGATGCACTCTGCGGAGCTGCTTGCAGGA 360
DB 485 TTTTCAAGAGGCAAAATTTGTTTTCAGCCACAGTGTGATGCACTCTGCGGAGCTGCTTGCAGGA 544
QY 361 TTTTATAGGAAGACGAAACTTTGTCGGCTTTTCAAGACATGGAGTGTGTGCTTGTGAGAG 420
DB 545 TTTTATAGGAAGACGAAACTTTGTCGGCTTTTCAAGACATGGAGTGTGTGCTTGTGAGAG 604
QY 421 CCTCTCTCTCTTACGAAACCGGCTGTGCGCAGCAAGGTCAACCTCTGTAAGATCGCGTCC 480
DB 605 CCTCTCTCTCTTACGAAACCGGCTGTGCGCAGCAAGGTCAACCTCTGTAAGATCGCGTCC 664
QY 481 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTTCGCTTATCTGAGCGCTCTGCGCAC 540
DB 665 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTTCGCTTATCTGAGCGCTCTGCGCAC 724
QY 541 GTCTGTGCGGCTGTCTCATCTCTGTGTCTATTTGTAAGAGACAGTTTATGAGAGAG 600
DB 725 GTCTGTGCGGCTGTCTCATCTCTGTGTCTATTTGTAAGAGACAGTTTATGAGAGAG 784
QY 601 AAACCCAGCTGTCTCTGCGGTTCAGAGCAATTCAGTACCAAGCTCTGAGCTGTGCTGT 660
DB 785 AAACCCAGCTGTCTCTGCGGTTCAGAGCAATTCAGTACCAAGCTCTGAGCTGTGCTGT 844
QY 661 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGCAC 720
DB 845 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGCAC 904
QY 721 TCAGTGCAGACCTGCGGCGGCTGTGCTTGTCTCCATCCATGCTGTGTGAGGAGGCTGC 780
DB 905 TCAGTGCAGACCTGCGGCGGCTGTGCTTGTCTCCATCCATGCTGTGTGAGGAGGCTGC 964
QY 781 AGCCCCAACCGCGGCTCTGCTGTGTGCGGTTCAGTACCAAGCTCTGAGCAAGAG 840

Db 965 AGCCCCAACCCGGGAGCTCTTGGTGTGGGGTGCAATCTGCAGCCAGTCTTCAGGCAAGA 1024
Qy 841 AAGCGAGCCAGCCGGGAGATGGTCCGACATTTCTTCGGATCCCTCAGCAGTCCATC 900
Db 1025 AACGAGCCAGCCGGGAGATGGTCCGACATTTCTTCGGATCCCTCAGCAGTCCATC 1084
Qy 901 TGTGGGAGTTTTCAGATGCTGGCTCTGATGCAAGATCCCATGGGTGGTGAACAATC 960
Db 1085 TGTGGGAGTTTTCAGATGCTGGCTCTGATGCAAGATCCCATGGGTGGTGAACAATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCACTGGAAGACATTCATCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCACTGGAAGACATTCATCTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTTGGATTCAAATAGCAGTCAAGATTTGGTGGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGGATTCAAATAGCAGTCAAGATTTGGTGGGGCTGTT 1264
Qy 1081 CCAAGTCAAGTCTCAATCTGAAATCTTACAGCAGTCAAGATTTGGTGGGGCTGTT 1140
Db 1265 CCAAGTCAAGTCTCAATCTGAAATCTTACAGCAGTCAAGATTTGGTGGGGCTGTT 1324
Qy 1141 ACACTGTAGATCAAGTCAATCTGAAATCTTACAGCAGTCAAGATTTGGTGGGGCTGTT 1200
Db 1325 ACACTGTAGATCAAGTCAATCTGAAATCTTACAGCAGTCAAGATTTGGTGGGGCTGTT 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGTA 1248
Db 1385 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGTA 1432

RESULT 9

US-10-175-752-473
; Sequence 473, Application US/10175752
; Publication No. US2003002295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: F3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 1 ATGGCTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
Qy 61 GGCTATTGTGCTAAAGTGACTTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GGCTATTGTGCTAAAGTGACTTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304

Qy 121 GATCGGTCTGGAACCTGTGTTCCTTGCACACAGTGTGGCCAGGCATGAGAGTTGTCTAAG 180
Db 305 GATCGGTCTGGAACCTGTGTTCCTTGCACACAGTGTGGCCAGGCATGAGAGTTGTCTAAG 364
Qy 181 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGTGCACAGGTTTC 424
Qy 241 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTCTCTGGACTGGCGAGTGGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTCTCTGGACTGGCGAGTGGTGAACCGC 484
Qy 301 TTTTCAAGGCAAAATTTTTCAGCCACAGTGTGATGATGATGATGATGATGATGATGATGAT 360
Db 485 TTTTCAAGGCAAAATTTTTCAGCCACAGTGTGATGATGATGATGATGATGATGATGATGAT 544
Qy 361 TTTTATAGGAAGCAAAATTTTTCAGCCACAGTGTGATGATGATGATGATGATGATGATGAT 420
Db 545 TTTTATAGGAAGCAAAATTTTTCAGCCACAGTGTGATGATGATGATGATGATGATGATGAT 604
Qy 421 CCTCTCTCTCTTACGAACCGCAGTGTGCAAGAGGTCAACCTCTCTGGAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTACGAACCGCAGTGTGCAAGAGGTCAACCTCTCTGGAAGATCGCGTCC 664
Qy 481 ACGGCTCTCAGCCACAGGAGACAGCGGCTGGCTGCGTTATCTGAGCGCTCTGCGCCACC 540
Db 665 ACGGCTCTCAGCCACAGGAGACAGCGGCTGGCTGCGTTATCTGAGCGCTCTGCGCCACC 724
Qy 541 GTCTGTCTGGCCCTGCTCATCTCTGTGTGTCTATTTGTAAAGACAGTTTATGAGAGAG 600
Db 725 GTCTGTCTGGCCCTGCTCATCTCTGTGTGTCTATTTGTAAAGACAGTTTATGAGAGAG 784
Qy 601 AAACCCAGCTGTCTCTGCGGTCAAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTGT 660
Db 785 AAACCCAGCTGTCTCTGCGGTCAAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTGT 844
Qy 661 CTTGACAGACCTCAGCTCCAGATATGCCACAGAGCTGTGCGAGTGCAGCGCTGAC 720
Db 845 TTTGACAGACCTCAGCTCCAGATATGCCACAGAGCTGTGCGAGTGCAGCGCTGAC 904
Qy 721 TCAGTGTGAGACCTGCGGCGGTGCTGCTCCATCCATGCTGTGTGAGAGAGCTGTC 780
Db 905 TCAGTGTGAGACCTGCGGCGGTGCTGCTCCATCCATGCTGTGTGAGAGAGCTGTC 964
Qy 781 AGCCCAACCCCGCGACTCTTGGTTGTGGGTGCAATCTGAGCGAGTCTTTCAGGCAAGA 840
Db 965 AGCCCAACCCCGCGACTCTTGGTTGTGGGTGCAATCTGAGCGAGTCTTTCAGGCAAGA 1024
Qy 841 AACGAGGCGCCAGCCGGGAGATGGTGGGAGTCTTTCGGATCCCTCAGCAGTCCATC 900
Db 1025 AACGAGGCGCCAGCCGGGAGATGGTGGGAGTCTTTCGGATCCCTCAGCAGTCCATC 1084
Qy 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGCAAGATCCCATGGGTGGTGAACAATC 960
Db 1085 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGCAAGATCCCATGGGTGGTGAACAATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCACTGGAAGACATTCATCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCACTGGAAGACATTCATCTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTTGGATTCAAATAGCAGTCAAGATTTGGTGGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGGATTCAAATAGCAGTCAAGATTTGGTGGGGCTGTT 1264
Qy 1081 CCAAGTCAAGTCTCAATCTGAAATCTTACAGCAGTCACTGATTTATCTAGATATAACAC 1140
Db 1265 CCAAGTCAAGTCTCAATCTGAAATCTTACAGCAGTCACTGATTTATCTAGATATAACAC 1324
Qy 1141 ACACTGGTGAATCAGCATCAACTCAGGATGCACTAACTATGAGAGAGCCAGCTAGATCAG 1200
Db 1325 ACACTGGTGAATCAGCATCAACTCAGGATGCACTAACTATGAGAGAGCCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGTA 1248


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; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-757-473

Query Match      97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTTTCATGTAAAGTGAATCTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GGCTATTTTCATGTAAAGTGAATCTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGTCTGGAACACTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTGTCTAAG 180
DB 305 GATCGTCTGGAACACTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTGTCTAAG 364
QY 181 GAATGTGGCTTCGGGTATCGGGAGGATGCACAGTGTGCACGTGCCGTGCACAGGTTTC 240
DB 365 GAATGTGGCTTCGGGTATCGGGAGGATGCACAGTGTGCACGTGCCGTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCCAGAAAATGCAGAAATGCCAATGCCATGCCGAGTGTGTAAC 900
DB 1085 AAGGAGGACTGGGGCTTCCAGAAAATGCAGAAATGCCAATGCCAATGCCGAGTGTGTAAC 1144

; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-913-473

Query Match      97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTTTCATGTAAAGTGAATCTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GGCTATTTTCATGTAAAGTGAATCTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGTCTGGAACACTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTGTCTAAG 180
DB 305 GATCGTCTGGAACACTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTGTCTAAG 364
QY 181 GAATGTGGCTTCGGGTATCGGGAGGATGCACAGTGTGCACGTGCCGTGCACAGGTTTC 240
DB 365 GAATGTGGCTTCGGGTATCGGGAGGATGCACAGTGTGCACGTGCCGTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCCAGAAAATGCAGAAATGCCAATGCCATGCCGAGTGTGTAAC 900
DB 425 AAGGAGGACTGGGGCTTCCAGAAAATGCAGAAATGCCAATGCCAATGCCGAGTGTGTAAC 984
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QY 301 TTTTCAAGGCAAAATTTGTTTCAAGCCACAGTGTATGATGCTCTGGGGAGCTGCTTGCAGGA 360
Db 485 TTTTCAAGGCAAAATTTGTTTCAAGCCACAGTGTATGATGCTCTGGGGAGCTGCTTGCAGGA 544
QY 361 TTTTATAGAGAGCAAAATTTGTTTCAAGGCAAAATTTGTTTCAAGGCAAAATTTGTTTCAAGGCA 420
Db 545 TTTTATAGAGAGCAAAATTTGTTTCAAGGCAAAATTTGTTTCAAGGCAAAATTTGTTTCAAGGCA 604
QY 421 CCTCTCTCTCTTACGACCGCACTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 480
Db 605 CCTCTCTCTCTTACGACCGCACTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 664
QY 481 ACGGCTCCAGCCCAAGGCAACGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 540
Db 665 ACGGCTCCAGCCCAAGGCAACGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 724
QY 541 GTCTCTGTCGCGGCTGCTCATCTCTGTCGTCATCTATTGTAAGAGACAGCTTTATGAGAGAG 600
Db 725 GTCTCTGTCGCGGCTGCTCATCTCTGTCGTCATCTATTGTAAGAGACAGCTTTATGAGAGAG 784
QY 601 AAACCCAGCTGTCGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 660
Db 785 AAACCCAGCTGTCGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 844
QY 661 CTGAGCAGACCTCAGCTCCAGCAATATGCCAGAGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 720
Db 845 TTTGACAGACCTCAGCTCCAGCAATATGCCAGAGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 904
QY 721 TCAGTGCAGACCTGCGGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 780
Db 905 TCAGTGCAGACCTGCGGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 964
QY 781 AGCCCAACCCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 840
Db 965 AGCCCAACCCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1024
QY 841 AACGAGGCGCCAGCGGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 900
Db 1025 AACGAGGCGCCAGCGGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1084
QY 901 TGTGCGAGCTTTTCAAGTCTGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 960
Db 1085 TGTGCGAGCTTTTCAAGTCTGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1144
QY 961 TCTTTTGTGACTCTTATCTGAACTTCAAGTCTGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTTCAAGTCTGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1204
QY 1021 CTTGAAAGCTCAACGCTCTTTGAGTTCAGTCTGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGAGTTCAGTCTGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1264
QY 1081 CCAAGTCAAGTCTTATCTGAAATTTTACAGAGCTTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT 1140
Db 1265 CCAAGTCAAGTCTTATCTGAAATTTTACAGAGCTTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT 1324
QY 1141 ACACCTGAGATCAGATCAATCAAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT 1200
Db 1325 ACACCTGAGATCAGATCAATCAAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT 1384
QY 1201 GAGAGTGGCGCTTATCATCCAGCCAGCCTCAGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1248
Db 1385 GAGAGTGGCGCTTATCATCCAGCCAGCCTCAGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 1432

RESULT 13

US-10-180-552-473
; Sequence 473, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: US/10/180,552
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 473
LENGTH: 2870
TYPE: DNA
ORGANISM: Homo Sapien
US-10-180-552-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTGTTCATGTAAGTGACTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GGCTATTGTTCATGTAAGTGACTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGGTCTGAAACTGTGTTCCTCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAG 180
Db 305 GATCGGTCTGAAACTGTGTTCCTCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAG 364
QY 181 GAATGTGCTTTCGGCTATGGGAGGATGCAAGTGTGTGAGTGTGGGCTGCACAGGTTTC 240
Db 365 GAATGTGCTTTCGGCTATGGGAGGATGCAAGTGTGTGAGTGTGGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTGTCTGGAGTGTGGAGTGGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTGTCTGGAGTGTGGAGTGGTGAACCGC 484
QY 301 TTTCAAGAGGCAAAATTTGTTTCAAGCAGCAGTGTGATGCGGAGCTGCTTGCAGGA 360
Db 485 TTTCAAGAGGCAAAATTTGTTTCAAGCAGCAGTGTGATGCGGAGCTGCTTGCAGGA 544
QY 361 TTTTATAGAGAGCAAAATTTGTTTCAAGCAGCAGTGTGATGCGGAGCTGCTTGCAGGA 420
Db 545 TTTTATAGAGAGCAAAATTTGTTTCAAGCAGCAGTGTGATGCGGAGCTGCTTGCAGGA 604
QY 421 CCTCTCTCTCTTACGAAACCGCACTGTGCGGAGTGTGCGGAGTGTGCGGAGTGTGCGGAG 480
Db 605 CCTCTCTCTCTTACGAAACCGCACTGTGCGGAGTGTGCGGAGTGTGCGGAGTGTGCGGAG 664
QY 481 ACGGCTCCAGCCCAAGGCAACGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 540
Db 665 ACGGCTCCAGCCCAAGGCAACGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 724
QY 541 GTCTCTGTCGCGGCTGCTCATCTCTGTCGTCATCTATTGTAAGAGACAGCTTTATGAGAGAG 600
Db 725 GTCTCTGTCGCGGCTGCTCATCTCTGTCGTCATCTATTGTAAGAGACAGCTTTATGAGAGAG 784
QY 601 AAACCCAGCTGTCGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 660
Db 785 AAACCCAGCTGTCGTCGCGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 844
QY 661 CTGAGCAGACCTCAGCTCCAGCAATATGCCAGAGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 720
Db 845 TTTGACAGACCTCAGCTCCAGCAATATGCCAGAGGCTGTCGCGGAGCTGTCGCGGAGCTGTCGCGGAG 904

QY 721 TCAGTCAGACCTGCGGGCGGTGCGCTTCTCCATCCATGCTGCTGAGGAGGCTGC 780
DB 905 TCAGTCAGACCTGCGGGCGGTGCGCTTCTCCATCCATGCTGCTGAGGAGGCTGC 964
QY 781 AGCCCCAACCGCGGAGCTTGTGTTGGGGTGCTATTCGACGAGCTTTCAGGCAAGA 840
DB 965 AGCCCCAACCGCGGAGCTTGTGTTGGGGTGCTATTCGACGAGCTTTCAGGCAAGA 1024
QY 841 AACGACAGGCGCCAGCGGGAGATGCTGCGGAGCTTCTCGGATCCCTCAGCAGTCCATC 900
DB 1025 AACGACAGGCGCCAGCGGGAGATGCTGCGGAGCTTCTCGGATCCCTCAGCAGTCCATC 1084
QY 901 TGTGGGAGTTCAGATGCTGGCCCTCTGATGAGAAATCCCATGGGTGGTGACAAATC 960
DB 1085 TGTGGGAGTTCAGATGCTGGCCCTCTGATGAGAAATCCCATGGGTGGTGACAAATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1020
DB 1145 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAAGCTCTTTGGATTCAATAGCAGTCAAGATTGGTGGGGCTGTT 1080
DB 1205 CTTGAAAGCTCAAGCTCTTTGGATTCAATAGCAGTCAAGATTGGTGGGGCTGTT 1264
QY 1081 CCAGTCAGTCTCATCTGAAATCTTTACAGCAGCTACTGATTTATCTAGATATAAAC 1140
DB 1265 CCAGTCAGTCTCATCTGAAATCTTTACAGCAGCTACTGATTTATCTAGATATAAAC 1324
QY 1141 ACAGTGGTAGAATCAGATCACTCAGGATGAGTAACTATGAGAGAGCAGCTAGATCAG 1200
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QY 1201 GAGAGTGGGCTATCATCCAGCCAGCCTCAGACGTCCTCCAGGTA 1248
DB 1385 GAGAGTGGGCTATCATCCAGCCAGCCTCAGACGTCCTCCAGGAA 1432

RESULT 14

US-10-180-557-473
; Sequence 473, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-180-557-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATGCGTTAAAGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
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DB 185 ATGCGTTAAAGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTTGTTCATGTAAAGTGTGTTGAAACAGGAGACTGTAGACAGCAAGAATTCAGG 120
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DB 245 GGTATTTGTTCATGTAAAGTGTGTTGAAACAGGAGACTGTAGACAGCAAGAATTCAGG 304
|||||
QY 121 GATCGGTCTGGAACATGTGTTCCCTGCAACGAGTGTGGGCCAGGATGGAGTTGTCTAAG 180
DB 305 GATCGGTCTGGAACATGTGTTCCCTGCAACGAGTGTGGGCCAGGATGGAGTTGTCTAAG 364
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QY 181 GAACTGCGCTCGGCTATGGGAGGATGCACAGTGTGTGAGTGCCTGCGGTCACAGGTTTC 240
DB 365 GAACTGCGCTCGGCTATGGGAGGATGCACAGTGTGTGAGTGCCTGCGGTCACAGGTTTC 424
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QY 241 AAGGAGGAGCTGGGGCTTCCAGAAATGCAAGCCCTGTCTGGACTGCGAGTGGTGAACGCG 300
DB 425 AAGGAGGAGCTGGGGCTTCCAGAAATGCAAGCCCTGTCTGGACTGCGAGTGGTGAACGCG 484
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QY 301 TTTTCAAGGCAAAATTTTTCAGCAACAGTGTGATGTCATCTGCGGGGAGCTGCTTGCAGGA 360
DB 485 TTTTCAAGGCAAAATTTTTCAGCAACAGTGTGATGTCATCTGCGGGGAGCTGCTTGCAGGA 544
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DB 545 TTTTATAGAGAGACGAACTTGTGCGCTTTCAAGACATGGAGTGTGCTTTGTGAGAGAC 604
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QY 421 CCTCTCTCTCTTACGAAACCGCAGCTGTGCGCAGCAAGGTCAACCTCGTGAAGATCGCTCC 480
DB 605 CCTCTCTCTCTTACGAAACCGCAGCTGTGCGCAGCAAGGTCAACCTCGTGAAGATCGCTCC 664
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QY 481 ACGGCTCTCAGCCCAAGGGAACGCGGCTGGCTGCGTTATCTGAGGCTCTGCGGCACC 540
DB 665 ACGGCTCTCAGCCCAAGGGAACGCGGCTGGCTGCGTTATCTGAGGCTCTGCGGCACC 724
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QY 541 GTCTGCTGGCCCTGCTCATCTCTGCTGTGCTATGTTAAGAGACAGTTTATGAGAGAG 600
DB 725 GTCTGCTGGCCCTGCTCATCTCTGCTGTGCTATGTTAAGAGACAGTTTATGAGAGAG 784
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QY 601 AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAACGGCTCTGAGCTGCTGTT 660
DB 785 AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAACGGCTCTGAGCTGCTGTT 844
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QY 661 CTTGACAGACCTCAGCTCCAGAAATATGCCCAACAGAGCTGCTGCGGCTGCGGCTGAC 720
DB 845 TTTTGAACAGCTCAGCTCCAGAAATATGCCCAACAGAGCTGCTGCGGCTGCGGCTGAC 904
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QY 721 TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCCATGCTGCTGAGGAGGCTGC 780
DB 905 TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCCATGCTGCTGAGGAGGCTGC 964
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QY 781 AGCCCCAACCGCGGAGCTTGTGGTGTGGGGTGCTATTCGACGAGCTTTCAGGCAAGA 840
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QY 841 AACGACAGGCGCCAGCGGGAGATGTTGCGGAGCTTCTCGGATCCCTCAGCAGTCCATC 900
DB 1025 AACGACAGGCGCCAGCGGGAGATGTTGCGGAGCTTCTCGGATCCCTCAGCAGTCCATC 1084
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QY 901 TGTGGGAGTTCAGATGCTGGCCCTCTGATGAGAAATCCCATGGGTGGTGACAAATC 960
DB 1085 TGTGGGAGTTCAGATGCTGGCCCTCTGATGAGAAATCCCATGGGTGGTGACAAATC 1144
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QY 961 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1020
DB 1145 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1204
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DB 1205 CTTGAAAGCTCAAGCTCTTTGATTCAAATAGCAGTCAAGATTGGTGGGGCTGTT 1264
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QY 1081 CCAGTCCAGTCTCATCTGAAATCTTTACAGCAGCTACTGATTTATCTAGATATAAAC 1140
DB 1265 CCAGTCCAGTCTCATCTGAAATCTTTACAGCAGCTACTGATTTATCTAGATATAAAC 1324
|||||

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Db	1325	ACACTGTTGAATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG	1384
Qy	1201	GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCCTCCAGGTA	1248
Db	1385	GAGAGTGGCGCTGTTCATCCACCCAGCCACTCAGACGTCCCTCCAGGAA	1432

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-7

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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	326.6	21.8	623	4	US-09-286-529-9
3	56.8	3.8	1883	4	US-09-149-476-170
4	54.8	3.7	1582	3	US-08-545-196B-10
5	54.8	3.7	1582	3	US-08-545-196B-12
6	54.4	3.6	3138	1	US-07-867-106-4
7	53.4	3.6	3720	4	US-09-342-681C-12
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9	53	3.5	2007	3	US-08-747-221B-38
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11	53	3.5	2007	4	US-09-005-051-38
12	52.8	3.5	5173	1	US-08-242-677-1
13	52.6	3.5	1420	2	US-08-909-965C-3
14	52.6	3.5	3238	4	US-08-123-934A-5
15	52.6	3.5	3238	5	PCT-US94-10080-5
16	52.4	3.5	3581	2	US-08-738-349-1
17	52	3.5	3709	4	US-09-541-782-7
18	52	3.5	3709	4	US-09-723-820-7
19	51.8	3.5	3437	3	US-08-860-339-17
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25	51.2	3.4	1776	4	US-09-258-016-10
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36	50	3.3	1046	1	US-08-484-332C-4	Sequence 4, Appli
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38	50	3.3	1466	4	US-08-984-919A-12	Sequence 12, Appli
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40	50	3.3	1472	4	US-08-781-420-12	Sequence 12, Appli
41	50	3.3	1472	4	US-08-874-102-10	Sequence 10, Appli
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43	50	3.3	1472	4	US-09-006-595A-10	Sequence 10, Appli
44	50	3.3	1472	4	US-09-006-595A-12	Sequence 12, Appli
45	50	3.3	1875	4	US-08-984-919A-46	Sequence 46, Appli

ALIGNMENTS

RESULT 1

US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286, 529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match	29.9%	Score	447.2	DB	4	Length	893
Best Local Similarity	81.6%	Pred. No.	2.2e-97				
Matches	529	Conservative	0	Mismatches	118	Indels	1
Gaps	1						
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Db	32	AATAACACGTTTGTGAGCCATGGCACTCAAGTCTTACTCTACACAGACGGTGC	91				
Qy	82	TTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTACTTGTGAAACAGGAG	141				
Db	92	TCTTCGCTGCCATTCTCTTCTTACTCCACCTGGCATGTAAAGTGAGTTGCCGAACCGGAG	151				
Qy	142	ACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAACTGTGTTCCCTCGAACCACTGTG	201				
Db	152	ATTGAGGACGACGAGGAATTCAGGATCGATCTGGAACATGTGTCCTCTGCAACAGTGG	211				
Qy	202	GCCACAGGATGAGTGTGTTAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTG	261				
Db	212	GACCTGGCATGAGTGTGTTCAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTG	271				
Qy	262	TGACGTGCGGCTGCACAGGTTTCAAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTC	321				
Db	272	TGCCCTGCAGGCCGACCGGTTTCAAGGAAGACTGGGGTTTCCAGAAAGTGTAAAGCCATGTG	331				
Qy	322	TGAGCTGGCAGTGTGTAACCGCTTTTCAAGGCAAAATGTTTCAGCCACCACTGATGCCA	381				
Db	332	CGAGCTGTGCGTGTGTAACCGCTTTTCAAGGCAAAATGTTTCAGCCACCACTGATGCCA	391				
Qy	382	TCTCGCGGAGCTGCTGTCAGGATTTTATAGGAAGACGAAACTTGTGCGCTTTTCAAGACA	441				
Db	392	TCTGCGGAGCTGCTGTCAGGATTTTATAGGAAGACGAAACTTGTGCGCTTTTCAAGACA	451				


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; EARLIER APPLICATION NUMBER: 60/043,580
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,568
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,311
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,671
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,674
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,669
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,312
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; EARLIER APPLICATION NUMBER: 60/043,313
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,672
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,315
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/056,886
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,877
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,889
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,893
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,630
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,878
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,662
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,872
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,882
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,637
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,903
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,888
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,879
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,880
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,894
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,911
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,636
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,864
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,631
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,845
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,892
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,761

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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/047,595
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,599
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,588
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,585
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,586
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

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Query Match 3.8%; Score 56.8; DB 4; Length 1883;
 Best Local Similarity 66.1%; Pred. No. 0.00022;
 Matches 82; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

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QY 1373 AACCTGATGACGTTTTTTTTTTCATCTTTAATAATTTCTGATCTTTAGATGATGTTT 1432
DB 1760 AACGCAATTATTTCTGCTTTAAACAGTATAAATAGTTTGCATGCAATG 1819
QY 1433 TAAATAAATTTCAAGTATTTTTTTTAAACCTAATAAATTTTTTTTTTAAAAA 1492
DB 1820 GAAATAAATAAACCTGATCTCTGTTAAAAAATTTTTTTTTTAAAAA 1879
QY 1493 AAAA 1496

```


RESULT 8
US-08-747-221B-36
Sequence 36, Application US/08747221B
Patent No. 6063610
GENERAL INFORMATION:
APPLICANT: Silver, Gary W.
APPLICANT: Wisniewski, Nancy
TITLE OF INVENTION: No. 6063610el Carboxylesterase Nucleic Acid
TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carol Talkington Verser, Ph.D.
ADDRESSEE: Heska Corporation
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect for Windows, Version 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747, 221B
FILING DATE: No. 6063610ember 12, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 17 459

```

? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 970/493-7272
? TELEFAX: 970/484-9505
? INFORMATION FOR SEQ ID NO: 36:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 2007 nucleotides
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: CDNA
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 11..1594
? US-08-747-221B-36

Query Match 3.5%; Score 53; DB 3; Length 2007;
Best Local Similarity 67.9%; Pred. No. 0.0018;
Matches 74; Conservative 0; Mismatches 35; Indels 0; Gaps 0

Qy 1384 TTTTITTTTTGTCATCTTTAATAATTTCTTGTATGTTCTAGAGTATGTTTTAAAAATAAATT 1443
      |||||
Db 1899 TTATACCACTTTGTATCATATATGCTTTTATTTTTCATTTTTTTTATTTTCAATA 1958

Qy 1444 TCAAGTATTTTTTTTAAAAAAGCTAAAAAAGAAAAAAGAAAAAAGAAAAA 1492
      |||||
Db 1959 TATTGTTTTTTTATAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA 2007
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RESULT 9
US-08-747-221B-38/c
; Sequence 38, Application US/08747221B
; Patent No. 6063610
; GENERAL INFORMATION:
; APPLICANT: Silver, Gary W.
; APPLICANT: Wisniewski, Nancy
; TITLE OF INVENTION: No. 6063610el Carboxylesterase Nucleic Acid
; TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carol Talkington Verser, Ph.D.

```

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; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/747,221B
; FILING DATE: No. 6063610ember 12, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-747-221B-38

Query Match 3.5%; Score 53; DB 3; Length 2007;
Best Local Similarity 67.9%; Pred. No. 0.0016;
Matches 74; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 1384 TTTTTCATCTTTTAAATTTCTGTATGTTAGAGTATGTTTAAATAAAATT 1443
Db 109 TTATTACCATCTTTGATCATATTTGCTTTTATTTTCATTTTTCATTTTCAATA 50

QY 1444 TCAAGTATTTTAAAACTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1492
Db 49 TATTGTTTTTATATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1

RESULT 10
US-09-005-051-36
; Sequence 36, Application US/09005051
; Patent No. 6291222
; GENERAL INFORMATION:
; APPLICANT: Silver, Gary W.
; APPLICANT: Wisniewski, Nancy
; TITLE OF INVENTION: No. 6291222el Carboxylesterase Nucleic Acid
; TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carol Talkington Verser, Ph.D.
; ADDRESSEE: Heska Corporation
; STREET: 1825 Sharp Point Drive
; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/005,051
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/747,221
; FILING DATE: No. 6291222ember 12, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-747-221B-38

; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/005,051
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/747,221
; FILING DATE: No. 6291222ember 12, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-005-051-36

Query Match 3.5%; Score 53; DB 4; Length 2007;
Best Local Similarity 67.9%; Pred. No. 0.0018;
Matches 74; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 1384 TTTTTCATCTTTTAAATTTCTGTATGTTAGAGTATGTTTAAATAAAATT 1443
Db 1899 TTATTACCATCTTTGATCATATTTGCTTTTATTTTCATTTTTCATTTTCAATA 1958

QY 1444 TCAAGTATTTTAAAACTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1492
Db 1959 TATTGTTTTTATATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2007

RESULT 11
US-09-005-051-38/c
; Sequence 38, Application US/09005051
; Patent No. 6291222
; GENERAL INFORMATION:
; APPLICANT: Silver, Gary W.
; APPLICANT: Wisniewski, Nancy
; TITLE OF INVENTION: No. 6291222el Carboxylesterase Nucleic Acid
; TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carol Talkington Verser, Ph.D.
; ADDRESSEE: Heska Corporation
; STREET: 1825 Sharp Point Drive
; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/005,051
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/747,221
; FILING DATE: No. 6291222ember 12, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-005-051-36
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Db 1362 TATAATTTTACTTCTTAA 1416

RESULT 14

US-08-123-934A-5
; Sequence 5, Application US/08123934A
; Patent No. 6291206
; GENERAL INFORMATION:
; APPLICANT: WOZNEY, John
; APPLICANT: CELESTE, Anthony J.
; APPLICANT: THIES, R. Scott
; APPLICANT: YAMAJI, No. 6291206oru
; TITLE OF INVENTION: RECEPTOR PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute Inc.- Legal Affairs
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140

COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/123,934A
; FILING DATE: 17-SEP-1993
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: LAZAR, Steven R
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: 5203
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 876 1170
; TELEFAX: 617 876 5851

INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3238 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: CFK1-10a
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 474..2000

US-08-123-934A-5

Query Match 3.5%; Score 52.6; DB 4; Length 3238;
Best Local Similarity 68.2%; Pred. No. 0.0027;
Matches 73; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 1390 TTTTGCATCTTTAAATAATTTCTGTATGTTGTAGAGTAGTATGTTTAAATAATTTCAAGT 1449
Db 3091 TATTTTGTCTTAACTACTTTTGTATTTAGTAGTATTTGTATATAAATAAACTGT 3150

Qy 1450 ATTTTCTTAACTAA 1496
Db 3151 TTTCAGTCAAA 3197

RESULT 15

PCT-US94-10080-5
; Sequence 5, Application PC/TUS9410080
; GENERAL INFORMATION:
; APPLICANT: GENETICS INSTITUTE, INC.
; TITLE OF INVENTION: RECEPTOR PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute Inc.- Legal Affairs

; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/10080
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/123,934
; FILING DATE: 17-SEP-1993
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: LAZAR, Steven R
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: 5203-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8260
; TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3238 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: CFK1-10a
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 474..2000

PCT-US94-10080-5

Query Match 3.5%; Score 52.6; DB 5; Length 3238;
Best Local Similarity 68.2%; Pred. No. 0.0027;
Matches 73; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 1390 TTTTGCATCTTTAAATAATTTCTGTATGTTGTAGAGTAGTATGTTTAAATAATTTCAAGT 1449
Db 3091 TATTTTGTCTTAACTACTTTTGTATTTAGTAGTATTTGTATATAAATAAACTGT 3150

Qy 1450 ATTTTCTTAACTAA 1496
Db 3151 TTTCAGTCAAA 3197

Search completed: June 22, 2003, 21:32:51
Job time: 74.9231 secs

121 AAGTGACTTGTGAACAGGAGACTGTAGACAGCAAGAATTACGGATCGGTCTGGAACCT 180
127 AAGTGACTTGTGAACAGGAGACTGTAGACAGCAAGAATTACGGATCGGTCTGGAACCT 186
181 GTGTTCCCTGCAACCAAGTGTGGCCAGGCATGAGTTGCTAAGGAATGTGGCTTCGGCT 240
187 GTGTTCCCTGCAACCAAGTGTGGCCAGGCATGAGTTGCTAAGGAATGTGGCTTCGGCT 246
241 ATGGGAGGATGACACAGTGTGACAGTGGCCGCTGCACAGTTCAAGGAGGACTGGGGCT 300
247 ATGGGAGGATGACACAGTGTGACAGTGGCCGCTGCACAGTTCAAGGAGGACTGGGGCT 306
301 TCCAGAAATCAAGCCCTGTCTGACTGCGCAGTGGTGAACCGCTTTTCAGAGGCAAAAT 360
307 TCCAGAAATCAAGCCCTGTCTGACTGCGCAGTGGTGAACCGCTTTTCAGAGGCAAAAT 366
361 GTTCAGCCACAGTGCATCTCGGAGCTGCGGAGCTGCTTGCAGGATTTATAGGAACGA 420
367 GTTCAGCCACAGTGCATCTCGGAGCTGCGGAGCTGCTTGCAGGATTTATAGGAACGA 426
421 AACTTGTGCGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTTACG 480
427 AACTTGTGCGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTTACG 486
481 AACCGCACTGTCCAGCAAGGTCAACTCTGTGAAGTCCGCTCCACGGCTCCAGCCAC 540
487 AACCGCACTGTCCAGCAAGGTCAACTCTGTGAAGTCCGCTCCACGGCTCCAGCCAC 546
541 GGCACAGCGCTGGCTGCGCTTATCTGACGCTCTGGCACCCTGCTGCTGCTGCTG 600
547 GGCACAGCGCTGGCTGCGCTTATCTGACGCTCTGGCACCCTGCTGCTGCTGCTG 606
601 TCATCTCTGTGTCATCTATTGTAAGAGACAGTTTATGGAAGAAACCCAGCTGCTC 660
607 TCATCTCTGTGTCATCTATTGTAAGAGACAGTTTATGGAAGAAACCCAGCTGCTC 666
661 TGGCGTCAAGGACATTCAGTACAAAGCTCTGAGCTGCTGCTGTGACAGACCTCAG 720
667 TGGCGTCAAGGACATTCAGTACAAAGCTCTGAGCTGCTGCTGTGACAGACCTCAG 726
721 TCCAGGATATGCCACAGACCTGCTGCGAGTGGCCGCTGACTCAGTGCAGACCTGG 780
727 TCCAGGATATGCCACAGACCTGCTGCGAGTGGCCGCTGACTCAGTGCAGACCTGG 786
781 GGCAGTGTGCTGCTCCCATCCATGCTGTGAGGAGGCTGCGAGCCCAACCCGCGA 840
787 GGCAGTGTGCTGCTCCCATCCATGCTGTGAGGAGGCTGCGAGCCCAACCCGCGA 846
841 CTCTTGGTGTGGGTGCTATTCAGACAGTCTTCAGGCAAGAAACGAGGCCACGCG 900
847 CTCTTGGTGTGGGTGCTATTCAGACAGTCTTCAGGCAAGAAACGAGGCCACGCG 906
901 GGGAGATGGTCCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTCAG 960
907 GGGAGATGGTCCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTCAG 966
961 ATGCTGGCTCTGATGAGAAATCCCATGGTGGTGAACAATCTCTTTTGTGACTCTT 1020
967 ATGCTGGCTCTGATGAGAAATCCCATGGTGGTGAACAATCTCTTTTGTGACTCTT 1026
1021 ATCTGAACTCACTGGAGAGACATTCATCTCTCAATCAGAACTTGAAGCTCAACGT 1080
1027 ATCTGAACTCACTGGAGAGACATTCATCTCTCAATCAGAACTTGAAGCTCAACGT 1086
1081 CTTTGGATTCAAATAGACAGTCAAGATTTGGTGGGCTGTTCCAGTCCAGTCTCAT 1140
1087 CTTTGGATTCAAATAGACAGTCAAGATTTGGTGGGCTGTTCCAGTCCAGTCTCAT 1146
1141 CTGAAATCTTACAGCAGTACTGATTTATCTAGATATAACAACACTGGTGAATCAG 1200
1147 CTGAAATCTTACAGCAGTACTGATTTATCTAGATATAACAACACTGGTGAATCAG 1206

1201 CATCACTCAGGATGCACTTAAGTATGAGACCCAGCTAGATCAGAGAGTGGCGCTATCA 1260
1207 CATCACTCAGGATGCACTTAAGTATGAGACCCAGCTAGATCAGAGAGTGGCGCTATCA 1266
1261 TCCACCCAGCAGCTCAGAGTCCCTCCAGGTAAGGACGAGTGGTTCCTGTGAACAC 1320
1267 TCCACCCAGCAGCTCAGAGTCCCTCCAGGTAAGGACGAGTGGTTCCTGTGAACAC 1326
1321 AGCACTGACTTACAGTAGATCAGAACTCTGTTCCAGCATAGATTTGGGGAACCTGAT 1380
1327 AGCACTGACTTACAGTAGATCAGAACTCTGTTCCAGCATAGATTTGGGGAACCTGAT 1386
1381 GAGTTTTTTTTTGGCATCTTTAATTAATTTCTGTATGTTGTAGATGTTTAAAAATAA 1440
1387 GAGTTTTTTTTTGGCATCTTTAATTAATTTCTGTATGTTGTAGATGTTTAAAAATAA 1446
1441 ATTCAAGTATTTTTTTTAAACCTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1496
1447 ATTCAAGTATTTTTTTTAAACCTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1502

RESULT 2

US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US2002008696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNM-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1326)
US-09-780-532-3

Query Match 88.5%; Score 1323.4; DB 10; Length 1325;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1324; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

45 ATGGCTTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACCTCTTTTAGTATTACTA 104
1 ATGGCTTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACCTCTTTTAGTATTACTA 60
105 GCCTATTTGTCTATGTAAGTGTCTTGTGAACAGGAGACTGTAGACAGCAAGAATTCAGG 164
61 GCCTATTTGTCTATGTAAGTGTCTTGTGAACAGGAGACTGTAGACAGCAAGAATTCAGG 120
165 GATCGTCTGGAACATGTGTTCCCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAG 224
121 GATCGTCTGGAACATGTGTTCCCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAG 180
225 GAATGTGGCTTCGGCTATGCGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 284
181 GAATGTGGCTTCGGCTATGCGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
285 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAAGTGGCAGTGGTGAACCCG 344
241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGAAGTGGCAGTGGTGAACCCG 300
345 TTTCAGAGGCAAAATTTGTTACGCCACCACTGATGCCACTCTGCGGGGACTGCTTGCCAGGA 404

Db 301 TTTTCAAGAGGCAAAATGTTTTCAGCCACAGTGTGATGCGGAGCTGCTTGCAGGA 360
Qy 405 TTTTATAGGAACAGAACTTCTCGGCTTTTCAAGACATGGAGTGTGCTTGTGAGAC 464
Db 361 TTTTATAGGAACAGAACTTCTCGGCTTTTCAAGACATGGAGTGTGCTTGTGAGAC 420
Qy 465 CTTCTCTCTCTTCTTACGAACCGCACTGTGTCAGCAAGGTCAACCTCGTGAAGATCGCGTCC 524
Db 421 CTTCTCTCTCTTCTTACGAACCGCACTGTGTCAGCAAGGTCAACCTCGTGAAGATCGCGTCC 480
Qy 525 AGCGCTTCAGGCCACAGGACACGGGCTGGCTGCGTGTATCTGAGCGCTCTGCGCAC 584
Db 481 AGCGCTTCAGGCCACAGGACACGGGCTGGCTGCGTGTATCTGAGCGCTCTGCGCAC 540
Qy 585 GTCTGCTGCGCTCTCATCTCTGTGTGTCATCTTGTGAAGACAGTGTATGAGAG 644
Db 541 GTCTGCTGCGCTCTCATCTCTGTGTGTCATCTTGTGAAGACAGTGTATGAGAG 600
Qy 645 AAACCCAGCTGTCTCTGCGGTACAGGACATTCAGTCAACCGCTCTGAGCTGTGCTGT 704
Db 601 AAACCCAGCTGTCTCTGCGGTACAGGACATTCAGTCAACCGCTCTGAGCTGTGCTGT 660
Qy 705 CTTGACAGACCTCAGCTCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGAC 764
Db 661 CTTGACAGACCTCAGCTCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGAC 720
Qy 765 TCAGTGCAGACCTGCGGCGCGGTGCGTGTGCTCCATCATGCTGTGAGGAGCGCTGC 824
Db 721 TCAGTGCAGACCTGCGGCGCGGTGCGTGTGCTCCATCATGCTGTGAGGAGCGCTGC 780
Qy 825 AGCCCCAAACCGCGGACTCTTGGTGTGGGGTGCAATTCGACCGAGTCTTCAGGCAAGA 884
Db 781 AGCCCCAAACCGCGGACTCTTGGTGTGGGGTGCAATTCGACCGAGTCTTCAGGCAAGA 840
Qy 885 AACGAGGCGGACGCGGAGATGTTGCGGACTTTCTTCGGATCCCTCAGCAGTCCATC 944
Db 841 AACGAGGCGGACGCGGAGATGTTGCGGACTTTCTTCGGATCCCTCAGCAGTCCATC 900
Qy 945 TGTGGGAGTCTTTCAGATGCTGCGCTCTGATGCAAGATCCATGGGTGTCACACATC 1004
Db 901 TGTGGGAGTCTTTCAGATGCTGCGCTCTGATGCAAGATCCATGGGTGTCACACATC 960
Qy 1005 TCTTTTGTGACTCTTATCTGAATCTCACTGGAGAAAGACATTCATTCTCTCAATCCAGAA 1064
Db 961 TCTTTTGTGACTCTTATCTGAATCTCGTGGAGAAAGACATTCATTCTCTCAATCCAGAA 1020
Qy 1065 CTTGAAAGCTCAACGCTCTTGGATTCAAAATAGCAGTCAAGATTTGGTGGGGCTGTT 1124
Db 1021 CTTGAAAGCTCAACGCTCTTGGATTCAAAATAGCAGTCAAGATTTGGTGGGGCTGTT 1080
Qy 1125 CCAGTCCAGTCTCATTTCTGAAACTTTTACAGCAGTCTGATTTATCTAGATATAACAAC 1184
Db 1081 CCAGTCCAGTCTCATTTCTGAAACTTTTACAGCAGTCTGATTTATCTAGATATAACAAC 1140
Qy 1185 ACATGTTGAGATFAGCATCACTCAGGATGCACTAACTATGAGAAAGCCAGCTAGATCAG 1244
Db 1141 ACATGTTGAGATFAGCATCACTCAGGATGCACTAACTATGAGAAAGCCAGCTAGATCAG 1200
Qy 1245 GAGAGTGGGCTATCATCAACCCAGCCTCAGACGCTCCCTCCAGTAAAGGCGAGCTG 1304
Db 1201 GAGAGTGGGCTATCATCAACCCAGCCTCAGACGCTCCCTCCAGTAAAGGCGAGCTG 1260
Qy 1305 GGTTCCTGTGAACACAGACACTGACTTACAGTATGATCAGAACTCTGTTCCAGCATAAAGA 1364
Db 1261 GGTTCCTGTGAACACAGACACTGACTTACAGTATGATCAGAACTCTGTTCCAGCATAAAGA 1320
Qy 1365 TTTGG 1369
Db 1321 TTTGG 1325

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-473

Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306; Mismatches 6; Indels 0; Gaps 0;
Matches 1280; Conservative 0;

Qy 7 GTAGAACTCTCCAAACAATAAATACATTTTCATAAGAAAGATGCTTTAAAGTGTACTAG 66
Db 147 GAAGAACTCTCCAAACAATAAATACATTTTCATAAGAAAGATGCTTTAAAGTGTACTAG 206
Qy 67 AACAGAGAAACGTTTTTTCATCTTTTAGTATTAATAGTATTTGTCATGTAAGTGA 126
Db 207 AACAGAGAAACGTTTTTTCATCTTTTAGTATTAATAGTATTTGTCATGTAAGTGA 266
Qy 127 CTTGTGAACAGGAGACTGTAGACAGCAAGATTCAGAGATCGGTCTGAAACTGTGTTTC 186
Db 267 CTTGTGAATCAGAGACTGTAGACAGCAAGATTCAGAGATCGGTCTGAAACTGTGTTTC 326
Qy 187 CTTGCAACAGTGTGGGCGGAGTGTGTTCTTAAAGAAATGTGGCTTCGCTATGGGG 246
Db 327 CTTGCAACAGTGTGGGCGGAGTGTGTTCTTAAAGAAATGTGGCTTCGCTATGGGG 386
Qy 247 AGGATGCACAGTGTGTGACGTCGCGGCTGCACAGGTTCAAGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGTGACGTCGCGGCTGCACAGGTTCAAGAGGACTGGGGCTTCCAGA 446
Qy 307 AATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGCTTTCAGAAAGCAAAATGTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGCTTTCAGAAAGCAAAATGTTTCAG 506
Qy 367 CCACAGGATGATGCCATCTCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAAACTTG 426
Db 507 CCACAGGATGATGCCATCTCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAAACTTG 566
Qy 427 TCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGACCCCTCTCTCTCTTACGAACCCG 486
Db 567 TCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGACCCCTCTCTCTCTTACGAACCCG 626
Qy 487 ACTGTGCGAGCAAGTCAACCTCGTGAAGATCGGTCCAGCGCTCCAGCCACCGGAC 546
Db 627 ACTGTGCGAGCAAGTCAACCTCGTGAAGATCGGTCCAGCGCTCCAGCCACCGGAC 686
Qy 547 CGGCGCTGCGCTGCTTATCTGAGCGCTCTGCGCACCGCTCTGCTGGCCCTCTCATCC 606
Db 687 CGGCGCTGCGCTGCTTATCTGAGCGCTCTGCGCACCGCTCTGCTGGCCCTCTCATCC 746
Qy 607 TCTGTGTCTATCTATTGTGAAGACAGTTTATGAGAGAAACCCAGCTGCTCTCTCGGT 666

RESULT 6

US-10-173-706-473
; Sequence 473, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-706-473

Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306; 6; Indels 0; Gaps 0;
Matches 1280; Conservative 0; Mismatches 6;

QY	7	GTAGA	CTCTCCAA	CAATAA	TACATTTG	AATAAG	AAGATG	CGCTTT	AAAAAG	TGCTACT	AG 66
DB	147	GAAGA	CTCTCC	CAATAA	TACATTTG	ATAAGA	AGATG	CGCTTT	AAAAAG	TGCTACT	AG 206
QY	67	ACA	AGAGAA	AAAGTTT	TTCAC	TCTTTT	AGTATTA	TACAG	CTATTT	GTGATG	AAAGTGA 126
DB	207	ACA	AGAGAA	AAAGTTT	TTCAC	TCTTTT	AGTATTA	TACAG	CTATTT	GTGATG	AAAGTGA 266
QY	127	CTT	GTGAA	CAGAG	ACTGT	AGAC	CAAGAA	TTT	CAGGAT	CGGTCT	GGAACTGTGTC 186
DB	267	CTT	GTGAA	CAGAG	ACTGT	AGAC	CAAGAA	TTT	CAGGAT	CGGTCT	GGAACTGTGTC 326
QY	187	CTT	GCA	ACCA	AGTGT	GGCC	AGGAT	GTG	TCTA	AGGA	ATTTGGCTATGGGG 246
DB	327	CTT	GCA	ACCA	AGTGT	GGCC	AGGAT	GTG	TCTA	AGGA	ATTTGGCTATGGGG 386
QY	247	AGG	ATG	CAC	AGTGT	GTG	AC	GTG	CGG	CTG	CACAGGTTCAAGGAGGACTGGGGCTTCCAGA 306
DB	387	AGG	ATG	CAC	AGTGT	GTG	AC	GTG	CGG	CTG	CACAGGTTCAAGGAGGACTGGGGCTTCCAGA 446
QY	307	AAT	GCA	AGC	CTCT	GGA	CTG	CGC	AGTGT	GGA	CCGTTTCAAGAGGCAAAATGTTTCAG 366
DB	447	AAT	GCA	AGC	CTCT	GGA	CTG	CGC	AGTGT	GGA	CCGTTTCAAGAGGCAAAATGTTTCAG 506
QY	367	CC	ACCA	GTG	ATG	CCAT	CTG	CGG	GGACTG	CTTGC	CAGGATTTATAGGAACCAAACTTGG 426
DB	507	CC	ACCA	GTG	ATG	CCAT	CTG	CGG	GGACTG	CTTGC	CAGGATTTATAGGAACCAAACTTGG 566
QY	427	TC	GGCTTT	CAAG	ACATG	AGTGT	GTG	CTT	GTG	AGAC	CCCTCTCTCTTACGAACCCG 486
DB	567	TC	GGCTTT	CAAG	ACATG	AGTGT	GTG	CTT	GTG	AGAC	CCCTCTCTCTTACGAACCCG 626
QY	487	ACT	GTG	CC	ACAG	AGGTT	CAAC	CTG	TGA	AGAT	CCGTTCCAGGCTCCAGCCACGGGACA 546
DB	627	ACT	GTG	CC	ACAG	AGGTT	CAAC	CTG	TGA	AGAT	CCGTTCCAGGCTCCAGCCACGGGACA 686
QY	547	CGG	CGCT	TGG	CTG	CGCT	TAT	TG	CAG	CGCT	CTGGCCACCGTCTGCTGGCCCTGCTCATCC 606
DB	687	CGG	CGCT	TGG	CTG	CGCT	TAT	TG	CAG	CGCT	CTGGCCACCGTCTGCTGGCCCTGCTCATCC 746

RESULT 7

US-10-175-738-473
; Sequence 473, Application US/10175738
; Publication No. US20030022294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473

```

; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-738-473

Query Match      85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 7 GTAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 66
Db 147 GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 206

Qy 67 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTCATGTAAGTGA 126
Db 207 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTCATGTAAGTGA 266

Qy 127 CTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTCGAAATGTTTC 186
Db 267 CTGTGAAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTCGAAATGTTTC 326

Qy 187 CTGTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
Db 327 CCGTCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 386

Qy 247 AGGATGCAAGTGTGTGACGTGCCCGCTGCAAGGTTTCAAGGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATGCAAGTGTGTGACGTGCCCGCTGCAAGGTTTCAAGGAGGACTGGGGCTTCCAGA 446

Qy 307 AATGCAAGCCCTGTCTGACATCGCGAGTGGTGAACCGCTTTTCAAGGCAAAATGTTTCA 366
Db 447 AATGCAAGCCCTGTCTGACATCGCGAGTGGTGAACCGCTTTTCAAGGCAAAATGTTTCA 506

Qy 367 CCACAGTGTGCAATCTGCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAACCTTG 426
Db 507 CCACAGTGTGCAATCTGCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAACCTTG 566

Qy 427 TCGGCTTTTCAAGACATGAGTGTGTCCTTTGTGGAGACCTCTCTCTCTTACGAACGCG 486
Db 567 TCGGCTTTTCAAGACATGAGTGTGTCCTTTGTGGAGACCTCTCTCTTACGAACGCG 626

Qy 487 ACTGTGCCAGAGGTCACCTCGTGAAGATCGCTTCAAGGCTTCCAGCCCTCCAGCCAGGACA 546
Db 627 ACTGTGCCAGAGGTCACCTCGTGAAGATCGCTTCCAGGCTTCCAGCCCTCCAGCCAGGACA 686

Qy 547 CGGCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 606
Db 687 CGGCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 746

Qy 607 TCTGTGTCATCTATTGTAAGACACAGTTTATGAGAAGAAACCCAGCTGGTCTCTGCGGT 666
Db 747 TCTGTGTCATCTATTGTAAGACACAGTTTATGAGAAGAAACCCAGCTGGTCTCTGCGGT 806

Qy 667 CACAGCAATTCAGTACAAAGCTGTGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 726
Db 807 CACAGCAATTCAGTACAAAGCTGTGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 866

Qy 727 AATATGCCACAGAGCTGCTGCCAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 786
Db 867 AATATGCCACAGAGCTGCTGCCAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 926

Qy 787 TCGGCTTGTCTCCATCTGCTGTGAGAGGCTTGCAGGCCCTCCAGCCCTCCAGCCCTCCAGCT 846
Db 927 TCGGCTTGTCTCCATCTGCTGTGAGAGGCTTGCAGGCCCTCCAGCCCTCCAGCCCTCCAGCT 986

Qy 847 GTTGTGGGTGCAATTCAGCGGAGTCTTTCAGCAAGAAACCGAGGCCCTCCAGCCCTCCAGGAGA 906
Db 987 GTTGTGGGTGCAATTCAGCGGAGTCTTTCAGCAAGAAACCGAGGCCCTCCAGCCCTCCAGGAGA 1046

Qy 907 TGTGTCGAGCTTTCTTTCGATCCCTCAGCGAGTCCATCTGTCGCGAGTTTTCAGATGCTCT 966
Db 1047 TGTGTCGAGCTTTCTTTCGATCCCTCAGCGAGTCCATCTGTCGCGAGTTTTCAGATGCTCT 1106
```

RESULT 8

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US-10-175-752-473
; Sequence 473, Application US/10175752
; Publication No. US30030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-473
```

```

Query Match      85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 7 GTAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 66
Db 147 GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 206

Qy 67 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTCATGTAAGTGA 126
Db 207 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTCATGTAAGTGA 266

Qy 127 CTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTCGAAATGTTTC 186
Db 267 CTGTGAAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTCGAAATGTTTC 326

Qy 187 CTGTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
Db 327 CCGTCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 386
```

247 AGGATGACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGGAGTGGGCTTCCAGA 306
Db |||||
387 AGGATGACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGGAGTGGGCTTCCAGA 446
QY |||||
Db |||||
307 AATGCAAGCCCTGTCTGGACTGGCAGTGGTGAACCGCTTTCAGAAGGCAAAATGTTTCAG 366
Db |||||
447 AATGCAAGCCCTGTCTGGACTGGCAGTGGTGAACCGCTTTCAGAAGGCAAAATGTTTCAG 506
QY |||||
Db |||||
367 CCACCAAGTATGCCATCTGCGGGGAGTCTGTGCGAGGATTTTATAGGAAGCAAACTTGG 426
Db |||||
507 CCACCAAGTATGCCATCTGCGGGGAGTCTGTGCGAGGATTTTATAGGAAGCAAACTTGG 566
QY |||||
Db |||||
427 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGCGAGACCCCTCTCTCTCTTACGAACCCG 486
Db |||||
567 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGCGAGACCCCTCTCTCTCTTACGAACCCG 626
QY |||||
Db |||||
487 ACTGTGCCAGCAAGTCAACCTGTGAGATCCGCTCCAGGCTCCAGCCCAAGGAGCA 546
Db |||||
627 ACTGTGCCAGCAAGTCAACCTGTGAGATCCGCTCCAGGCTCCAGCCCAAGGAGCA 686
QY |||||
Db |||||
547 CGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACCGCTCTGCTGGCCCTCTCATCC 606
Db |||||
687 CGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACCGCTCTGCTGGCCCTCTCATCC 746
QY |||||
Db |||||
607 TCTGTGTCTATCTATGTAAGAGACAGTTTATGAGAGAAACCCAGCTGGTCTCTGCGGT 666
Db |||||
747 TCTGTGTCTATCTATGTAAGAGACAGTTTATGAGAGAAACCCAGCTGGTCTCTGCGGT 806
QY |||||
Db |||||
667 CACAGGACATTCAGTACAGGCTCTGAGCTGTGCTGTCTGTGACAGACCTCAGCTCCAG 726
Db |||||
807 CGAGGACATTCAGTACAGGCTCTGAGCTGTGCTGTGTTGACAGACCTCAGCTCCAG 866
QY |||||
Db |||||
727 AATATGCCACAGAGCTGTGCGAGTGGCGCGCTGACTCAGTGCAGACCTGGCGGCGCG 786
Db |||||
867 AATATGCCACAGAGCTGTGCGAGTGGCGCGCTGACTCAGTGCAGACCTGGCGGCGCG 926
QY |||||
Db |||||
787 TGGCTTGTCTCCATCCATGCTGTGAGAGAGGCTTGCAGCCCAACCCGCGGACCTTTG 846
Db |||||
927 TGGCTTGTCTCCATCCATGCTGTGAGAGAGGCTTGCAGCCCAACCCGCGGACCTTTG 986
QY |||||
Db |||||
847 GTTGTGGGTGCAATCTGACAGCAGTCTTCAGGCAAGAACCGCAGCCGCGGAGCA 906
Db |||||
987 GTTGTGGGTGCAATCTGACAGCAGTCTTCAGGCAAGAACCGCAGCCGCGGAGCA 1046
QY |||||
Db |||||
907 TGTGCGGACTTCTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCGCT 966
Db |||||
1047 TGTGCGGACTTCTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCGCT 1106
QY |||||
Db |||||
967 GGCTCTGTATGCAAGATCCCATGGGTGGTGACAAATCTCTTTTGTGACTCTTATCTCTG 1026
Db |||||
1107 GGCTCTGTATGCAAGATCCCATGGGTGGTGACAAATCTCTTTTGTGACTCTTATCTCTG 1166
QY |||||
Db |||||
1027 AACTCACTGAGAGACATTCATCTCAATCCAGACCTTGAAGCTCAAGCTCTTTGG 1086
Db |||||
1167 AACTCACTGAGAGACATTCATCTCAATCCAGACCTTGAAGCTCAAGCTCTTTGG 1226
QY |||||
Db |||||
1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGTCCAGTCTCATCTCTGAAA 1146
Db |||||
1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGTCCAGTCTCATCTCTGAAA 1286
QY |||||
Db |||||
1147 ACTTTACAGCAGTCTAGATTTATCTAGATATTAACAAACACACTGGTAGAATCAGCATCAA 1206
Db |||||
1287 ACTTTACAGCAGTCTAGATTTATCTAGATATTAACAAACACACTGGTAGAATCAGCATCAA 1346
QY |||||
Db |||||
1207 CTCAGGATGCACTAACTATGAGAGCCAGCTAGTACGAGAGTGGCGCTTATCATCCACC 1266
Db |||||
1347 CTCAGGATGCACTAACTATGAGAGCCAGCTAGTACGAGAGTGGCGCTTATCATCCACC 1406
QY |||||
Db |||||
1267 CAGCCTCTCAGAGCTCCCTCCAGGTA 1292
QY |||||
1407 CAGCCTCTCAGAGCTCCCTCCAGGAA 1432
Db |||||

RESULT 9
US-10-176-482-473
; Sequence 473, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC70
; CURRENT APPLICATION NUMBER: US/10176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-482-473
Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 7 GTAGAACTCTCCAAACAATAATACATTTGATGAAGAAAGATGCTTTAAAGTGCTACTAG 66
Db 147 GAAGAACTCTCCAAACAATAATACATTTGATGAAGAAAGATGCTTTAAAGTGCTACTAG 206
QY 67 AACAAAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA 126
Db 207 AACAAAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA 266
QY 127 CTTGTGAACACAGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAAGAACTGTGTC 186
Db 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAAGAACTGTGTC 326
QY 187 CTGCAACACAGTGTGGCCAGGATGAGTCTCTAAGGAATGTGCTTCGGCTATGGGG 246
Db 327 CTTGCAACACAGTGTGGCCAGGATGAGTCTCTAAGGAATGTGCTTCGGCTATGGGG 386
QY 247 AGGATGCAAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCCAGA 306
Db 387 AGGATGCAAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGACTGGCAGTGGTGAACCGCTTTCAGAAGGCAAAATGTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGGCAGTGGTGAACCGCTTTCAGAAGGCAAAATGTTTCAG 506
QY 367 CCACCAAGTATGCCATCTGCGGGGAGTCTGTGCGAGGATTTTATAGGAAGCAAACTTGG 426
Db 507 CCACCAAGTATGCCATCTGCGGGGAGTCTGTGCGAGGATTTTATAGGAAGCAAACTTGG 566
QY 427 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGCGAGACCCCTCTCTCTCTTACGAACCCG 486
Db 567 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGCGAGACCCCTCTCTCTCTTACGAACCCG 626
QY 487 ACTGTGCCAGCAAGTCAACCTGTGAGATCCGCTCCAGGCTCCAGCCCAAGGAGCA 546
Db 627 ACTGTGCCAGCAAGTCAACCTGTGAGATCCGCTCCAGGCTCCAGCCCAAGGAGCA 686
QY 547 CGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACCGCTCTGCTGGCCCTCTCATCC 606
Db 687 CGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACCGCTCTGCTGGCCCTCTCATCC 746

Qy	607	TCTGTGTCATCTATTGTAAGAGACAGTTTATGGAGAAAGAAACCCAGCTGTCTCTCGCGT	666
Db	747	TCTGTGTCACTATTATTTAAGAGACAGTTTATGGAGAAAGAAACCCAGCTGTCTCTCGCGT	806
Qy	667	CACAGGACATTTCAGTACAAACGGCTCTCAGCTGTCTGTCTTTGACAGACCTTCAGTCCACG	726
Db	807	CGCAGGACATTTCAGTACAAACGGCTCTCAGCTGTCTGTCTTTGACAGACCTTCAGTCCACG	866
Qy	727	AATATGCCCAAGAGCCCTGCTGCCAGTGC CGCGGTGACTCAGTGCAGACTCGGGGCCGG	786
Db	867	AATATGCCCAAGAGCCCTGCTGCCAGTGC CGCGGTGACTCAGTGCAGACTCGGGGCCGG	926
Qy	787	TGCGCTTTGCTCCCATCCATGCTGTGAGAGAGGCTCGACGCCCAACCCCGGACCTCTTG	846
Db	927	TGCGCTTTGCTCCCATCCATGCTGTGAGAGAGGCTCGACGCCCAACCCCGGACCTCTTG	986
Qy	847	GTTCGTGGGTGCATTTCTGCAGCCAGTCTTTCAGGCCAAGAAACGACAGGCCCGGGGAGA	906
Db	987	GTTCGTGGGTGCATTTCTGCAGCCAGTCTTTCAGGCCAAGAAACGACAGGCCCGGGGAGA	1046
Qy	907	TGCTGCCGACCTTTCTCCGATCCCTCACGCAGTCCATCTGTGGCGAGTTTTCAGATGCGCT	966
Db	1047	TGCTGCCGACCTTTCTCCGATCCCTCACGCAGTCCATCTGTGGCGAGTTTTCAGATGCGCT	1106
Qy	967	GGCCTCTGATGCAGAAATCCCATGGGTGGTGACAAACATCTCTTTTGTGTGACTCTTATCTTG	1026
Db	1107	GGCCTCTGATGCAGAAATCCCATGGGTGGTGACAAACATCTCTTTTGTGTGACTCTTATCTTG	1166
Qy	1027	AACCTACTGGAGAGACATTCATTTCTCTCAATCCAGAACTTGAAGCTCAACAGTCTTTTGG	1086
Db	1167	AACCTACTGGAGAGACATTCATTTCTCTCAATCCAGAACTTGAAGCTCAACAGTCTTTTGG	1226
Qy	1087	ATTCAAAATAGCAGTCAAGATTGGTTGGTGGGGCTGTTCAGTCCAGTCTCATTTCTGAAA	1146
Db	1227	ATTCAAAATAGCAGTCAAGATTGGTTGGTGGGGCTGTTCAGTCCAGTCTCATTTCTGAAA	1286
Qy	1147	ACTTTACGCAGCTACTGATTTTATCTAGATATACAAACACTGGTAGATCAGCATCAA	1206
Db	1287	ACTTTACGCAGCTACTGATTTTATCTAGATATACAAACACTGGTAGATCAGCATCAA	1346
Qy	1207	CTCAGGATGCACCTAACTATGAGAAGCCAGCTAGATCAGGAGAGTGGCGCTTATCATCCACC	1266
Db	1347	CTCAGGATGCACCTAACTATGAGAAGCCAGCTAGATCAGGAGAGTGGCGCTTATCATCCACC	1406
Qy	1267	CAGCCACTCAGACGTCCTCCAGGTA	1292
Db	1407	CAGCCACTCAGACGTCCTCCAGGAA	1432

RESULT 10

US-10-176-757-473

Sequence 473, Application US/10176757
Publication No. US20030022297A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P3430R1C96
CURRENT APPLICATION NUMBER: US/10/176,757
CURRENT FILING DATE: 2002-06-20
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612

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QY 967 GGCCTCTGATGACAGAAATCCCATGGGTGGTGAACAACATCTCTTTTGTGACTCTTATCTCTG 1026
Db 1107 GGCCTCTGATGACAGAAATCCCATGGGTGGTGAACAACATCTCTTTTGTGACTCTTATCTCTG 1166
QY 1027 AACTCACTGAGAGAAAGATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1086
Db 1167 AACTCACTGAGAGAAAGATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1226
QY 1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGTCCAGTCTCTATCTTGAAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCAGTCCAGTCTCTATCTTGAAA 1286
QY 1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1206
Db 1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1346
QY 1207 CTCAGATGCATTAACATATGAGAACCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGATGCATTAACATATGAGAACCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1406
QY 1267 CAGCCACTCAGAGCTCCCTCCAGGTA 1292
Db 1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432

RESULT 11
US-10-176-913-473
; Sequence 473, Application US/10176913
; Publication No. US2003002298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C66
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-913-473

Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCTCAACAATAATACATTTGATAGAAAGATGGCTTTAAAAGTCTACTAG 66
Db 147 GAAGAACTCTCAACAATAATAATACATTTGATAGAAAGATGGCTTTAAAAGTCTACTAG 206
QY 67 AACAGAGAAAACGTTTTTCACCTCTTTTACGTATTTACTAGGCTATTTGTCAATGTAAGTGA 126
Db 207 AACAGAGAAAACGTTTTTCACCTCTTTTACGTATTTACTAGGCTATTTGTCAATGTAAGTGA 266
QY 127 CTTGTGAAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAAAACGTGTTC 186
Db 267 CTTGTGAAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAAAACGTGTTC 326
QY 187 CTTGCAACCACTGTGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
Db 1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432
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RESULT 12
US-10-180-552-473
; Sequence 473, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-180-552-473

Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306; 6; Indels 0; Gaps 0;
Matches 1280; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	7	GTAGAACTCCACAAATAATCATTTGATAAGAAAGATGGCTTTAAAAGTGCTACTAG	66
DB	147	GAAGAACTCCACAAATAATCATTTGATAAGAAAGATGGCTTTAAAAGTGCTACTAG	206
QY	67	AACAAGAGAAACGTTTTTTCACCTCTTTAGTATTACTAGCTATTGTGCTAAAGTGA	126
DB	207	AACAAGAGAAACGTTTTTTCACCTCTTTAGTATTACTAGCTATTGTGCTAAAGTGA	266
QY	127	CTTTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGTCTGGAACCTGTGTT	186
DB	267	CTTTGAAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGTCTGGAACCTGTGTT	326
QY	187	CCTGCAACCAAGTGTGGCCAGGATCGAGTTGTCTAAGAAATGTGGCTTTCGGCTATGGG	246
DB	327	CCTGCAACCAAGTGTGGCCAGGATCGAGTTGTCTAAGAAATGTGGCTTTCGGCTATGGG	386
QY	247	AGGATGCACAGTGTGTGACGTGCGCGCTGCACAGGTTTCAAGGAGGACTGGGGCTTCCAG	306
DB	387	AGGATGCACAGTGTGTGACGTGCGCGCTGCACAGGTTTCAAGGAGGACTGGGGCTTCCAG	446
QY	307	AATGCAAGCCCTCTCTGCACTGCGCACTGGTGAACCCCTTTTCAGAAAGCAAAATTTTC	366
DB	447	AATGCAAGCCCTCTCTGCACTGCGCACTGGTGAACCCCTTTTCAGAAAGCAAAATTTTC	506
QY	367	CCACCAAGTGCATCTGGGGGACTGCTTGCAGGATTTTATAGGAAGCAAAATTTTC	426
DB	507	CCACCAAGTGCATCTGGGGGACTGCTTGCAGGATTTTATAGGAAGCAAAATTTTC	566
QY	427	TCCGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTCTTACGAACCCG	486
DB	567	TCCGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCCG	626
QY	487	ACTGTGCCAAGAGTCAACCTCGTGAAGATCGCTCCAGGGCTCCAGCCCAAGGGACA	546
DB	627	ACTGTGCCAAGAGTCAACCTCGTGAAGATCGCTCCAGGGCTCCAGCCCAAGGGACA	686
QY	547	CGGCGCTGGCTGGCTTATCTGAGCGCTCTGGCCACCGTCTGTGCTGGCTGCTCATCC	606

DB	687	CGGCGCTGGCTGGCTTATCTGCAAGCGCTCTGGCCACCGTCTGTGCTGCCCTGTCTATCC	746
QY	607	TCTGTGTCATCTATTGTAAGAGACAGTTTATGGAGAGAAACCCAGCTGGTCTCTGCGGT	666
DB	747	TCTGTGTCATCTATTGTAAGAGACAGTTTATGGAGAGAAACCCAGCTGGTCTCTGCGGT	806
QY	667	CACAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTCTTGTGACAGACCTCAGCTCCAG	726
DB	807	CGCAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTCTTGTGACAGACCTCAGCTCCAG	866
QY	727	AATATGCCACACAGAGCTGCTGCCAGTGCAGCTGCCCGCTGACTCAGTGACAGCTGCGGCGG	786
DB	867	AATATGCCACACAGAGCTGCTGCCAGTGCAGCTGCCCGCTGACTCAGTGACAGCTGCGGCGG	926
QY	787	TGCGCTTGTCTCCCATCCATGCTGCTGAGGAGGCTGAGAGGCTGAGAGGCTGAGAGGCTG	846
DB	927	TGCGCTTGTCTCCCATCCATGCTGCTGAGGAGGCTGAGAGGCTGAGAGGCTGAGAGGCTG	986
QY	847	GTGTTGGGGTGTGATTCGACGAGCTCTTTCAGGCAAGAAACGAGGCTGAGGCTGAGGCTG	906
DB	987	GTGTTGGGGTGTGATTCGACGAGCTCTTTCAGGCAAGAAACGAGGCTGAGGCTGAGGCTG	1046
QY	907	TGGTGCAGCTTCTTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT	966
DB	1047	TGGTGCAGCTTCTTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT	1106
QY	967	GGCTCTCTGATGCAAGTCCCATGGTGGTGACAAATCTCTTTTGTGACTCTTATCTCTG	1026
DB	1107	GGCTCTCTGATGCAAGTCCCATGGTGGTGACAAATCTCTTTTGTGACTCTTATCTCTG	1166
QY	1027	AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG	1086
DB	1167	AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG	1226
QY	1087	ATTCAAAATAGCAGTCAAGATTTGGTGGTGGGCTGTTCCAGTCCAGTCTCATCTTGAAA	1146
DB	1227	ATTCAAAATAGCAGTCAAGATTTGGTGGTGGGCTGTTCCAGTCCAGTCTCATCTTGAAA	1286
QY	1147	ACTTTACAGCAGTACTGATTTTATAGATATAACACACACTGGTAGAATCAGCATCAA	1206
DB	1287	ACTTTACAGCAGTACTGATTTTATAGATATAACACACACTGGTAGAATCAGCATCAA	1346
QY	1207	CTCAGATGCACTAACTATGAGAACCCAGCTAGATCAGAGAGTGGCGCTATCATCCACC	1266
DB	1347	CTCAGATGCACTAACTATGAGAACCCAGCTAGATCAGAGAGTGGCGCTATCATCCACC	1406
QY	1267	CAGCCACTCAGAGCTCCCTCCAGGTA	1292
DB	1407	CAGCCACTCAGAGCTCCCTCCAGGTA	1432

RESULT 13

US-10-180-557-473
; Sequence 473, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm

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; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-180-557-473

Query Match      85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCCCAACAAATTAATACATTTGATAGAAAGATGCTTTAAAGTCTACTAG 66
DB 147 GAAGAACTCTCCAAACAATAATACATTTGATAGAAAGATGCTTTAAAGTCTACTAG 206
QY 67 AACAGAGAAAAGCTTTTCACTCTTTTAGTATTACTAGGCTATTTGTGATGTAAGTGA 126
DB 207 AACAGAGAAAAGCTTTTCACTCTTTTAGTATTACTAGGCTATTTGTGATGTAAGTGA 266
QY 127 CTTGTGAAACAGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAACCTGTGTTTC 186
DB 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAACCTGTGTTTC 326
QY 187 CCTGCAACCAAGTGTGGCCAGGATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
DB 327 CCTGCAACCAAGTGTGGCCAGGATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGGAGTGGGGCTTCAGA 306
DB 387 AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGGAGTGGGGCTTCAGA 446
QY 307 AATGCAAGCCCTGTCTGGAATCGGCAGTGTGTAACCGCTTTAGAGGCAAAATGTTCAG 366
DB 447 AATGCAAGCCCTGTCTGGAATCGGCAGTGTGTAACCGCTTTAGAGGCAAAATGTTCAG 506
QY 367 CCACCAAGTATGCATCTGCGGAGTGTCTGCGAGGATTTATAGAGACCAACTTG 426
DB 507 CCACCAAGTATGCATCTGCGGAGTGTCTGCGAGGATTTATAGAGACCAACTTG 566
QY 427 TCGGCTTTCAAGACATGAGTGTGTCTTGTGGAGACCTCTCTCTCTTACGAACCCG 486
DB 567 TCGGCTTTCAAGACATGAGTGTGTCTTGTGGAGACCTCTCTCTCTTACGAACCCG 626
QY 487 ACTGTGCCAGCAAGGTCAACTCGTGAAGATCCGCTCCAGGCTTCAGGCCACGGGACA 546
DB 627 ACTGTGCCAGCAAGGTCAACTCGTGAAGATCCGCTCCAGGCTTCAGGCCACGGGACA 686
QY 547 CGGCGCTGGCTGCGGTATCTGCAGCGCTCTGGCCACCGTCCCTGCTGCTGCTCATCC 606
DB 687 CGGCGCTGGCTGCGGTATCTGCAGCGCTCTGGCCACCGTCCCTGCTGCTGCTCATCC 746
QY 607 TCTGTGTATCTATTGTAGAGACAGTTTATGAGAGAAACCCAGCTGCTCTCTGCGGT 666
DB 747 TCTGTGTATCTATTGTAGAGACAGTTTATGAGAGAAACCCAGCTGCTCTCTGCGGT 806
QY 667 CACAGGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTGTGACAGACCTTCAGCTCACG 726
DB 807 CGCAGGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTGTGACAGACCTTCAGCTCACG 866
QY 727 AATATGCCACAGAGCTGTGCTGAGTGGCCGCTGACTCAGTGCAGACCTGCGGCGCGG 786
DB 867 AATATGCCACAGAGCTGTGCTGAGTGGCCGCTGACTCAGTGCAGACCTGCGGCGCGG 926
QY 787 TGGCTGTGCTCCCATCCATGCTGTGAGGAGGCTTCAGCCCAACCCCGGACCTTTG 846
DB 927 TGGCTGTGCTCCCATCCATGCTGTGAGGAGGCTTCAGCCCAACCCCGGACCTTTG 986
QY 847 GTTGTGGGTGCAATTCAGACCAAGTCTTCAGGCAAGAAACCGCAGGCCACCGCGGAG 906
DB 987 GTTGTGGGTGCAATTCAGACCAAGTCTTCAGGCAAGAAACCGCAGGCCACCGCGGAG 1046
QY 907 TGGTGGCGACTTCTTTCGGATCCCTCAGCAGTCCATCTGCTGGCGAGTTTTCAGATGSCCT 966
```

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DB 1047 TGGTGGCGACTTCTTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
QY 967 GGCCTCTGATGAGCAATCCCATGGGTGGTGAACAACATCTCTTTTGTGACTCTTATCTG 1026
DB 1107 GGCCTCTGATGAGCAATCCCATGGGTGGTGAACAACATCTCTTTTGTGACTCTTATCTG 1166
QY 1027 AACTCACTGGAGAACACATTCATCTCTCAATCCAGAACTTGAAAGCTCAAGCTCTTGG 1086
DB 1167 AACTCACTGGAGAACACATTCATCTCTCAATCCAGAACTTGAAAGCTCAAGCTCTTGG 1226
QY 1087 ATTCAAAATAGCAGTCAAGATTTGGTTGGGGCTGTTCCAGTCCAGTCTCATCTGAAA 1146
DB 1227 ATTCAAAATAGCAGTCAAGATTTGGTTGGGGCTGTTCCAGTCCAGTCTCATCTGAAA 1286
QY 1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACAACAACACTGGTAGAATCAGATCAA 1206
DB 1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACAACAACACTGGTAGAATCAGATCAA 1346
QY 1207 CTCAGATGCACTAATATAGAGAGCCAGCTAGATCAGAGAGTGGCGCTATCATCCACC 1266
DB 1347 CTCAGATGCACTAATATAGAGAGCCAGCTAGATCAGAGAGTGGCGCTATCATCCACC 1406
QY 1267 CAGCCACTCAGACGTCCTCCAGGTA 1292
DB 1407 CAGCCACTCAGACGTCCTCCAGGTA 1432
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RESULT 14

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US-10-173-700-473
; Sequence 473, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-700-473
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Query Match      85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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QY 7 GTAGAACTCCCAACAAATTAATACATTTGATAGAAAGATGCTTTAAAGTCTACTAG 66
DB 147 GAAGAACTCTCCAAACAATAATACATTTGATAGAAAGATGCTTTAAAGTCTACTAG 206
QY 67 AACAGAGAAAAGCTTTTCACTCTTTTAGTATTACTAGGCTATTTGTGATGTAAGTGA 126
DB 207 AACAGAGAAAAGCTTTTCACTCTTTTAGTATTACTAGGCTATTTGTGATGTAAGTGA 266
QY 127 CTTGTGAAACAGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAACCTGTGTTTC 186
DB 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAACCTGTGTTTC 326
QY 187 CCTGCAACCAAGTGTGGCCAGGATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
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Db 327 CCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAAGGAGCAAAATGTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAAGGAGCAAAATGTTTCAG 506
QY 367 CCACCAAGTATGCGATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTTG 426
Db 507 CCACCAAGTATGCGATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTTG 566
QY 427 TCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGACCTCTCTCTCTCTTACGAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGACCTCTCTCTCTCTTACGAACCGC 626
QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGCTTCAAGGAGCAAACTTTG 546
Db 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGCTTCAAGGAGCAAACTTTG 686
QY 547 CGGCGCTGCTGCGTGTATCTGAGCGCTTGGCCACCGCTCTGCTGGCCCTGCTCATCC 606
Db 687 CGGCGCTGCTGCGTGTATCTGAGCGCTTGGCCACCGCTCTGCTGGCCCTGCTCATCC 746
QY 607 TCTGTGTCTATCTATTCTAAGAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT 666
Db 747 TCTGTGTCTATCTATTCTAAGAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT 806
QY 667 CACAGACATTCAGTACAAACCGCTGTGAGCTGTGCTGTCTTACAGACCTCAGCTCCAGC 726
Db 807 CGCAGACATTCAGTACAAACCGCTGTGAGCTGTGCTGTGTTTACAGACCTCAGCTCCAGC 866
QY 727 AATATGCCACAGAGCCTCTGCCAGTGCCTGCGCGTGTACTCAGTCAGACCTCGGGCCGG 786
Db 867 AATATGCCACAGAGCCTCTGCCAGTGCCTGCGCGTGTACTCAGTCAGACCTCGGGCCGG 926
QY 787 TCGGCTTGTCTCCATCCATGTGTGTGAGAGGCGCTTGCAGCCCAACCGCGGACTCTTGTG 846
Db 927 TCGGCTTGTCTCCATCCATGTGTGTGAGAGGCGCTTGCAGCCCAACCGCGGACTCTTGTG 986
QY 847 GTTGTGGGTGTCAATCTGAGCGAGTCTTTCAGCAAGAAACGAGCCCGGCGGAG 906
Db 987 GTTGTGGGTGTCAATCTGAGCGAGTCTTTCAGCAAGAAACGAGCCCGGCGGAG 1046
QY 907 TGGTGGCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
Db 1047 TGGTGGCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
QY 967 GGCCTCTGATGAGAAATCCATGGGTGTGAGCAACATCTCTTTTGTGACTCTTATCTCTG 1026
Db 1107 GGCCTCTGATGAGAAATCCATGGGTGTGAGCAACATCTCTTTTGTGACTCTTATCTCTG 1166
QY 1027 AACTCACTGGAGAAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1086
Db 1167 AACTCACTGGAGAAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1226
QY 1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCAATCTCGAAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCAATCTCGAAA 1286
QY 1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACAAACACTTGGTAGAATCAGATCAA 1206
Db 1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACAAACACTTGGTAGAATCAGATCAA 1346
QY 1207 CTCAGGATGCACTAATATAGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGGATGCACTAATATAGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1406
QY 1267 CAGCCACTCAGAGCTCCCTCCAGGTA 1292

Db 1407 CAGCCACTCAGACGTCTCCTCCAGGAA 1432
RESULT 15
US-10-174-572-473
; Sequence 473, Application US/10174572
; Publication No. US20030027263A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C40
; CURRENT APPLICATION NUMBER: US/10/174,572
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-572-473
Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 7 GTAGAACTCTCCAACTAAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 66
Db 147 GAAGAACTCTCCAACTAAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 206
QY 67 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATCTAAGTGA 126
Db 207 AACAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATCTAAGTGA 266
QY 127 CTTGTGAAGCAAGGAGACTGTACAGCAAGAAATTCAGGATCGGTCTGGAAACTGTGTTTC 186
Db 267 CTTGTGAATCAGGAGACTGTACAGCAAGAAATTCAGGATCGGTCTGGAAACTGTGTTTC 326
QY 187 CTTGCAACAGTGTGGCCAGCATGGAGTTGTCTAAGAAATGTGGCTTCGGCTATGGGG 246
Db 327 CTTGCAACAGTGTGGCCAGCATGGAGTTGTCTAAGAAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAGCAACCGCTTTTCAAGAGGCAAAATGTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAGCAACCGCTTTTCAAGAGGCAAAATGTTTCAG 506
QY 367 CCACCAAGTATGCGATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTTG 426
Db 507 CCACCAAGTATGCGATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGCAAACTTTG 566
QY 427 TCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGACCTCTCTCTCTCTTACGAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGTGTGTGCTTGTGGAGACCTCTCTCTCTCTTACGAACCGC 626
QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGCTTCAAGGAGCAAACTTTG 546
Db 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGCTTCAAGGAGCAAACTTTG 686
QY 547 CGGCGCTGCTGCGTGTATCTGAGCGCTTGGCCACCGCTCTGCTGGCCCTGCTCATCC 606

Db	687	CGCGCTGGCTGCGGTTATCTGACGGCTCTGGCCACCGTCTGTGGCCCTGCTCATCC	746
Qy	607	TCGTGTCTCATCTATTCTAAGACAGCTTTATGGAGAAGAAACCCAGCTGGTCTCTGCGGT	666
Db	747	TCGTGTCTCATCTATTCTAAGACAGCTTTATGGAGAAGAAACCCAGCTGGTCTCTGCGGT	806
Qy	667	CACAGGACATTCAGTACAAAGGCTCTGAGCTGTGCTGTGACAGACCTCAGCTCCAG	726
Db	807	CGCAGGACATTCAGTACAAAGGCTCTGAGCTGTGCTGTGACAGACCTCAGCTCCAG	866
Qy	727	AATATGCCACAGAGCTGCTGCGAGTGGCGCGCTGACTCAGTGCAGACTGCGGSCCG	786
Db	867	AATATGCCACAGAGCTGCTGCGAGTGGCGCGCTGACTCAGTGCAGACTGCGGSCCG	926
Qy	787	TGGGCTTGTCTCCCATCCATGCTGTGTGAGAGGCTGACAGCCCAACCCGGGACTCTTG	846
Db	927	TGGGCTTGTCTCCCATCCATGCTGTGTGAGAGGCTGACAGCCCAACCCGGGACTCTTG	986
Qy	847	GTTGTGGGTGCAATTCGACGCCAGTCTTCAGGCAAGAAACGACAGCCCGCGGGAGA	906
Db	987	GTTGTGGGTGCAATTCGACGCCAGTCTTCAGGCAAGAAACGACAGCCCGCGGGAGA	1046
Qy	907	TGGTGGCGACTTCTTCGGATCCCTCAGCGAGTCCATCTGTGGCGAGTTTTCAGATGCCT	966
Db	1047	TGGTGGCGACTTCTTCGGATCCCTCAGCGAGTCCATCTGTGGCGAGTTTTCAGATGCCT	1106
Qy	967	GGCTCTGTATGCAGAAATCCCATGGTGGTGACAAACATCTCTTTTGTGACTCTTATCCTG	1026
Db	1107	GGCTCTGTATGCAGAAATCCCATGGTGGTGACAAACATCTCTTTTGTGACTCTTATCCTG	1166
Qy	1027	AACCTACTGGAGAAGACATTCATCTCTCAATCCAGAATTTGAAAGCTCAACGCTCTTTGG	1086
Db	1167	AACCTACTGGAGAAGACATTCATCTCTCAATCCAGAATTTGAAAGCTCAACGCTCTTTGG	1226
Qy	1087	ATTCAAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA	1146
Db	1227	ATTCAAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA	1286
Qy	1147	ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGGTAGAATCAGCATCAA	1206
Db	1287	ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGGTAGAATCAGCATCAA	1346
Qy	1207	CTCAGGATGCATTAACCTATGAGAAGCCAGCTAGATCAGGAGTGGGCTTATCATCCACC	1266
Db	1347	CTCAGGATGCATTAACCTATGAGAAGCCAGCTAGATCAGGAGTGGGCTTATCATCCACC	1406
Qy	1267	CAGCCACTCAGAGTCCCTCCAGTA	1292
Db	1407	CAGCCACTCAGAGTCCCTCCAGTA	1432

Search completed: June 23, 2003, 02:51:24
Job time : 230.138 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 22, 2003, 21:28:42 ; Search time 15.6107 Seconds
(without alignments)
797.266 Million cell updates/sec

Title: US-09-380-276A-8
Perfect score: 2283
Sequence: 1 MALKVLLQEKTFFTLVLL.....AIHPATQSLQVRQLGSL 423

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2.6/prodata/1/iaa/5B COMB.pep:*
3: /cgn2.6/prodata/1/iaa/6A COMB.pep:*
4: /cgn2.6/prodata/1/iaa/6B COMB.pep:*
5: /cgn2.6/prodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2.6/prodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	869	38.1	210	4	US-09-286-529-3
2	714.5	31.3	151	4	US-09-286-529-4
3	191	8.4	448	4	US-09-342-681C-17
4	191	8.4	448	4	US-09-342-681C-19
5	159	7.0	438	1	US-08-097-827-11
6	159	7.0	438	1	US-08-494-574-11
7	150	6.6	206	1	US-08-097-827-7
8	150	6.6	206	1	US-08-494-574-7
9	145	6.4	205	3	US-08-974-022-51
10	145	6.4	205	4	US-08-795-445A-51
11	145	6.4	205	4	US-08-795-447A-51
12	145	6.4	205	4	US-08-974-186-51
13	145	6.4	205	4	US-08-795-448B-51
14	145	6.4	205	4	US-08-706-945D-138
15	144	6.3	1104	2	US-08-327-832-5
16	144	6.3	1104	2	US-08-828-584-5
17	136	6.0	625	3	US-08-996-139-15
18	136	6.0	625	4	US-08-995-659-15
19	136	6.0	625	4	US-09-215-649A-15
20	136	6.0	625	4	US-09-577-780-15
21	134.5	5.9	415	4	US-09-006-353A-6
22	134.5	5.9	415	4	US-09-573-986-6
23	134	5.9	186	1	US-08-089-458B-6
24	134	5.9	307	4	US-08-804-166-4
25	134	5.9	307	4	US-08-910-991-4
26	133.5	5.8	2050	2	US-08-347-594A-2
27	132.5	5.8	197	2	US-08-505-606-1

28	132.5	5.8	197	4	US-09-000-166-1	Sequence 1, Appli
29	132	5.8	276	4	US-09-041-886-27	Sequence 27, Appl
30	132	5.8	277	4	US-09-042-785A-10	Sequence 10, Appl
31	132	5.8	277	4	US-09-006-353A-10	Sequence 10, Appl
32	132	5.8	277	4	US-08-114-944D-2	Sequence 2, Appli
33	132	5.8	277	4	US-09-573-986-10	Sequence 10, Appl
34	131	5.7	139	2	US-08-219-237B-8	Sequence 8, Appli
35	131	5.7	176	4	US-09-411-722-1	Sequence 1, Appli
36	130.5	5.7	140	4	US-08-477-347-17	Sequence 17, Appl
37	130.5	5.7	140	4	US-08-476-862-8	Sequence 8, Appli
38	130.5	5.7	170	4	US-08-828-683A-14	Sequence 14, Appl
39	129.5	5.7	336	4	US-08-804-166-8	Sequence 8, Appli
40	129.5	5.7	336	4	US-08-910-991-8	Sequence 8, Appli
41	129	5.7	326	1	US-08-292-549-4	Sequence 4, Appli
42	129	5.7	326	5	PCT-US91-02207-4	Sequence 4, Appli
43	128.5	5.6	1170	1	US-08-313-288B-20	Sequence 20, Appl
44	128	5.6	355	1	US-08-292-549-6	Sequence 6, Appli
45	128	5.6	355	4	US-09-006-353A-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-09-286-529-3
; Sequence 3, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 210
; TYPE: PRT
; ORGANISM: human
US-09-286-529-3

Query Match 38.1%; Score 869; DB 4; Length 210;
Best Local Similarity 83.7%; Pred. No. 1.4e-73;
Matches 154; Conservative 11; Mismatches 19; Indels 0; Gaps 0;

QY 1 MALKVLLQEKTFFTLVLLGLVLSCKVTCETDCRQQRDRSGNCVPCNQCQPGWELSK 60
Db 1 MALKVLPVLRVTLFAAILFLHLACKVSCETGDCRQQRDRSGNCVLCQCGPGWELSK 60

QY 61 ECGFGYGEDAQCVCRLHRFKEDWGFQCKPCLDCAVVRNRFQKANCATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVCPCPHRFKEDWGFQCKPCADCAVVRNRFQKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMCVCGDPPPPPEPHPCASKVNLVKIATASSPRDITALAIVCSALAT 180
Db 121 FYRKTGLVGFQDMCVCGDPPPPPEPHPCASKVNLVKIATASSPRDITALAIVCSALAT 180

QY 181 VLLA 184
Db 181 VLLA 184

RESULT 2
US-09-286-529-4
; Sequence 4, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25

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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 151
; TYPE: PRT
; ORGANISM: human
; US-09-286-529-4

Query Match      31.3%; Score 714.5; DB 4; Length 151;
Best Local Similarity 82.0%; Pred. No. 2.5e-59;
Matches 123; Conservative 9; Mismatches 17; Indels 1; Gaps 1;

QY 1 MALKVLLLEQKTEFTLLVLLGYLSCKVTCTGDC-PQOFRDRSGNCVPCNQCQPGMELS 59
Db 1 MALKVLPRLHRTVLAAILFLHLACKVSCETGDCSRQBFKDRSGNCVLCQKQPGMELS 60
QY 60 KECGFGYGEDAQCVCTCLRLHRFKEDWGFQCKPCLDCAVNVRFQKANCSTSDAICGDCCLP 119
Db 61 KECGFGYGEDAQCVCPCHRFKEDWGFQCKPCADCAVNVRFQKANCSTSDAICGDCCLP 120
QY 120 GFYRKTGLVGFQDMECVPCGDPDPPEPHC 149
Db 121 GFYRKTGLVGFQDMECVPCGDPDPPEPHC 150

RESULT 3
US-09-342-681C-17
; Sequence 17, Application US/09342681C
; Patent No. 6355782
; GENERAL INFORMATION:
; APPLICANT: Zonana et al.
; TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins
; FILE REFERENCE: 52978
; CURRENT APPLICATION NUMBER: US/09/342,681C
; CURRENT FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/092,279
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: 60/112,366
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-342-681C-17

Query Match      8.4%; Score 191; DB 4; Length 448;
Best Local Similarity 28.7%; Pred. No. 1.1e-09;
Matches 62; Conservative 30; Mismatches 84; Indels 40; Gaps 12;

QY 16 LLVLLGYLSCKVTCTGDCRQBFDR-SGNCVPCNQCQPGMELSKECGFG-YGEDAQCV 73
Db 13 LPVLVSLMCSARAEYSNCGENYNYQTGLCQECPPCGPGEPPYLSGCGYTKDEDYGCV 72
QY 74 TCLRHRFKEDWGFQCKPCLDCAVNVRFQKANC-----SATSDAICGDCCLPGFY----RKT 125
Db 73 PCPAEKFSKG-GYQICRRHKDC---EGFFRATVLTFGDMENDAECCGCLPGYYMLNRRP 128
QY 126 KLVGFQDMECVPCGDPDPPEPHCASKVNLVKI-----ASTASSPRDTA-----L 170
Db 129 NIYG---WVCYSC-LLAPNTKECVGATSGASANFPGTSGSSTLSFFQHAHKLSCGGHL 184
QY 171 AAIVCSALATVL---LALLILCVYCKRQFMKKPS 203
Db 185 ATALIIMSTIFMAIAIVLIIMFY----ILTKPS 216

RESULT 5
US-08-097-827-11
; Sequence 11, Application US/08097827
; GENERAL INFORMATION:
; APPLICANT: Baum, Peter
; Goodwin, Ray
; Fanslow, William
; Gayle, Richard
; TITLE OF INVENTION: Novel Cytokine Which is a Ligand for
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/097,827
; APPLICATION NUMBER: US/08/097,827
; FILING DATE: 23-Jul-1993
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2806
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-587-0730
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 438 amino acids
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TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-08-097-827-11

Query Match
Best Local Similarity 7.0%; Score 159; DB 1; Length 438;
Best Local Similarity 27.5%; Pred. No. 1.1e-06;
Matches 69; Conservative 31; Mismatches 93; Indels 58; Gaps 18;

QY 15 TLLVLLGLSKVTCETGDCRQOEPRDRSGN-CVPCNQCQPGMELSKGCGFGYGEDAQCV 73
Db 9 TALLLLG-LTLGVTARRLNCVKHTY--PSGKHC--CRECOPGHGMVNR--DHTRDTLCH 61
QY 74 TRLHRFKEDWGFQKPCPLDCAVNRFO-KANCSATSDAICGDCICLPFGYRKTCLVGFOD 132
Db 62 PCETGYNEAVNYDTCKQCTQCNHRSGSELKQNCCTPTQTVTC-RCPGTPQR-----OD 114
QY 133 -----MECPGCDPPPPVEP-----HCASKNVLKVIATASSPRDTALAAVIC---SALA 179
Db 115 SGYKLGVDVCP--PPGHFSPGNNOACKPWTNCTLSGKQTRHPASDSDAV-CEDRSLLA 171
QY 180 TVLLALLILCVIYCKQFMKKPSW---SLRSODIQYNGSELSCILDRPOLHEVAHRACCO 236
Db 172 TLL-----WETQRTPTTQSTVWPTSELP--STPTLVE--PRSC-- 211
QY 237 CRDSVQTCGP 247
Db 212 ---DKTHTCPP 219

RESULT 6
US-08-494-574-11
; Sequence 11, Application US/08494574
; Patent No. 5783665
; GENERAL INFORMATION:
; APPLICANT: Baum, Peter
; APPLICANT: Goodwin, Ray
; APPLICANT: Fanslow, William
; APPLICANT: Gayle, Richard
; TITLE OF INVENTION: No. 5783665el Cytokine which is a Ligand for
; TITLE OF INVENTION: OX40
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/494,574
; FILING DATE: 22-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/097,827
; FILING DATE: 23-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2806
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-587-0730
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 438 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-494-574-11

Query Match
Best Local Similarity 7.0%; Score 159; DB 1; Length 438;
Best Local Similarity 27.5%; Pred. No. 1.1e-06;
Matches 69; Conservative 31; Mismatches 93; Indels 58; Gaps 18;

QY 15 TLLVLLGLSKVTCETGDCRQOEPRDRSGN-CVPCNQCQPGMELSKGCGFGYGEDAQCV 73
Db 9 TALLLLG-LTLGVTARRLNCVKHTY--PSGKHC--CRECOPGHGMVNR--DHTRDTLCH 61
QY 74 TRLHRFKEDWGFQKPCPLDCAVNRFO-KANCSATSDAICGDCICLPFGYRKTCLVGFOD 132
Db 62 PCETGYNEAVNYDTCKQCTQCNHRSGSELKQNCCTPTQTVTC-RCPGTPQR-----OD 114
QY 133 -----MECPGCDPPPPVEP-----HCASKNVLKVIATASSPRDTALAAVIC---SALA 179
Db 115 SGYKLGVDVCP--PPGHFSPGNNOACKPWTNCTLSGKQTRHPASDSDAV-CEDRSLLA 171
QY 180 TVLLALLILCVIYCKQFMKKPSW---SLRSODIQYNGSELSCILDRPOLHEVAHRACCO 236
Db 172 TLL-----WETQRTPTTQSTVWPTSELP--STPTLVE--PRSC-- 211
QY 237 CRDSVQTCGP 247
Db 212 ---DKTHTCPP 219

RESULT 7
US-08-097-827-7
; Sequence 7, Application US/08097827
; GENERAL INFORMATION:
; APPLICANT: Baum, Peter
; APPLICANT: Goodwin, Ray
; APPLICANT: Fanslow, William
; APPLICANT: Gayle, Richard
; TITLE OF INVENTION: Novel Cytokine which is a Ligand for
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/097,827
; FILING DATE: 23-JUL-1993
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2806
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-587-0730
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 206 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-08-097-827-7

Query Match
Best Local Similarity 6.6%; Score 150; DB 1; Length 206;
Best Local Similarity 30.1%; Pred. No. 2.6e-06;
Matches 55; Conservative 21; Mismatches 75; Indels 32; Gaps 13;


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; TITLE OF INVENTION: Osteoprotegerin
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: One Amgen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91362-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795.447A
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-37802
; INFORMATION FOR SEQ ID NO. 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids.
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-447A-51
;
; Query Match 6.4%; Score 145; DB 4;
; Best Local Similarity 28.6%; Pred. No. 7.5e-06;
; Matches 54; Conservative 23; Mismatches 76;
;
QY 9 QKTEFTLLVILGYLSCKVCTGTCGROQEFDR--SGN-
DB 6 QOQTAFLLLGLSLGVTVKLN-----VKDTYPSGKH
QY 66 YGEDAQCVTCRLHRFKPDGWFQCKKPCLDCAVVRFQ-KA-
DB 53 HTRDTVCHPCBPGFVNEAVNYDTCKQCTQCNHRSGSELKO
QY 135 TKLVGFQMEVCVCGDPPPPVPE-----HCASKNVLV-----
DB 112 QDSSHLKGVDCVPC--PFGHFSPGSGNQACKPWTNCTLSGK
QY 176 --SALATVL 182
DB 165 DRLSLATLL 173
;
RESULT 12
US-08-974-186-51
; Sequence 51, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavenland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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ADDRESSEE: Amgen INC.
STREET: 1840 Dehavenland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30.

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/974,186

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/577,788

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-378

INFORMATION FOR SEQ ID NO: 51:

SEQUENCE CHARACTERISTICS:

LENGTH: 205 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-974-186-51

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QEKTFLLVLLGLYSCKVTCETGCRQOEPRDR--SGN-CVPCNOCGPGMELSKGCGFG 65

Db 6 QQPTAFLLGLSLGVTVKLNC-----VKDTPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHRFKEDMGFKCKPCLDCAVNNRFQ-KANCSATSDAICGDCCLPGFYRK 124

Db 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTEDTVC-QCRPGTQPR 111

QY 125 TKLVGFQDMCEVPCGPPPPYEP-----HCASKVNLV-----KIASTASSPRDTALAAVIC- 175

Db 112 QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182

Db 165 DRSLLATLL 173

RESULT 13

US-08-795-446B-51

Sequence 51, Application US/08/95446B

Patent No. 6288032

GENERAL INFORMATION:

APPLICANT: Boyle, William J.

APPLICANT: Lacey, David L.

APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: OSTEOPROTEGERIN

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Angen Inc.

STREET: 1840 Dehavilland Drive

CITY: Thousand Oaks

STATE: California

COUNTRY: USA

ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/795,446B

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/577,788

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-378

INFORMATION FOR SEQ ID NO: 51:

SEQUENCE CHARACTERISTICS:

LENGTH: 205 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-795-446B-51

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QEKTFLLVLLGLYSCKVTCETGCRQOEPRDR--SGN-CVPCNOCGPGMELSKGCGFG 65

Db 6 QQPTAFLLGLSLGVTVKLNC-----VKDTPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHRFKEDMGFKCKPCLDCAVNNRFQ-KANCSATSDAICGDCCLPGFYRK 124

Db 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTEDTVC-QCRPGTQPR 111

QY 125 TKLVGFQDMCEVPCGPPPPYEP-----HCASKVNLV-----KIASTASSPRDTALAAVIC- 175

Db 112 QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182

Db 165 DRSLLATLL 173

RESULT 14

US-08-706-945D-138

Sequence 138, Application US/08/706945D

Patent No. 6369027

GENERAL INFORMATION:

APPLICANT: Boyle, William

APPLICANT: Lacey, David

APPLICANT: Calzone, Frank

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: Osteoprotegerin

FILE REFERENCE: A-378CJP

CURRENT APPLICATION NUMBER: US/08/706,945D

CURRENT FILING DATE: 1996-09-03

PRIOR APPLICATION NUMBER: 08/577,788

PRIOR FILING DATE: 1995-12-22

NUMBER OF SEQ ID NOS: 145

SOFTWARE: PatentIn version 3.1

SEQ ID NO 138

LENGTH: 205

TYPE: PRT

ORGANISM: Homo sapiens

US-08-706-945D-138

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QEKTFLLVLLGLYSCKVTCETGCRQOEPRDR--SGN-CVPCNOCGPGMELSKGCGFG 65

Db 6 QQPTAFLLGLSLGVTVKLNC-----VKDTPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHRFKEDMGFKCKPCLDCAVNNRFQ-KANCSATSDAICGDCCLPGFYRK 124

Db 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTEDTVC-QCRPGTQPR 111

QY 125 TKLVGFQDMCEVPCGPPPPYEP-----HCASKVNLV-----KIASTASSPRDTALAAVIC- 175

Db 112 QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182

Db 165 DRSLLATLL 173

RESULT 15
US-08-327-832-5
; Sequence 5, Application US/08327832
; Patent No. 5840832
; GENERAL INFORMATION:
; APPLICANT: Ono, Santa J.
; APPLICANT: Strominger, Jack L.
; TITLE OF INVENTION: Transcription Factor Regulating MHC
; TITLE OF INVENTION: Expression, cDNA and Genomic Clones Encoding Same and
; TITLE OF INVENTION: Retroviral Expression Constructs Thereof
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/327,832
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske, Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.46362
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9153
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1104 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-327-832-5

Query Match 6.3%; Score 144; DB 2; Length 1104;
Best Local Similarity 18.8%; Pred. No. 9.9e-05;
Matches 110; Conservative 59; Mismatches 181; Indels 236; Gaps 27;
QY 24 SCKVTCETGDCRQBFDRSGNVCPCNQCPCGMEISKECG-----FGYGEDAQ----- 72
DB 440 SCNLLCHPG-----PCPPCPAEMTKTCGCRTRHTVRCQAVSVHCSNPC 484
QY 73 ---VTCRLHRPKEDWGFOKPCCLDCAVNVRQKANCATS-DAICGDCPLPGFYKTKLV 128
DB 485 ENILNCGHQHCAELCHGGQCPCQ--IILN--QVCYCGSTSRDLVLCGTDV-----GKSD 534
QY 129 GFQDMEC-----VPCGD-----PP-----PYEPHC--ASKVNLVKIATASS 164
DB 535 GFQDFSLCTCGKDLKCGNHTCSOVCHPQPCQCPPLPOLVRCCPGQTPFLSLLGLSS 594
QY 165 PRDTALAAV-----IC-SALATVLLALLILC-----VIYKQRFMEKK- 201
DB 595 SRKTCMDPVPCGKVGKPLPGSLDFIHTCEKLCHEGDCGVPVSRVTSVISCRCSPRTKEL 654
QY 202 PSWSLRSQDI-----QYNGSELSCLDLPPQ-----LH---EYA 230
DB 655 PCTSLKSEDATEWCDKRCNKKRLCGRHKCNIECCVDKEHKPLNCGRLKRLGRLHRCPEPC 714
QY 231 HRACCO-CRRDSVQT-----CGPVRLLPMSCC-----EE 258
DB 715 HRGNCQTCWQASFDELTCHGASVIYPPVPCGTRPPECTQTCAVHCECDHPVHSHGSEE 774
QY 259 ACS-----PNPATLGGCVHSAASL----- 277

DB 775 KCPPTCTFLTQKCMGKHEFRSNIPCHLVDISCGLPCSATLPCGMHMKCORLCHKGECLVDE 834
QY 278 -----QAR-----NAGPAGEWVPPTFFGSLTQSI 300
DB 835 PKQPCPTTPRADCGHPCWAPCHTSSPCPVTTACKAKVELQCBCGRKKEWVICSEASSTYQR 894
QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPBELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 895 IAAISMASKITDMQLGGS-----VEISKLTITKKEVHQARLECECSALERKKR--LAEAF 948
QY 361 PVQSHSENFTATDLRYNNNTLVESASTODALTWRSQDLDQESGAI 406
DB 949 HISEDSDPFNIRSSGSKFSDSLKEDA--RKDLKFVSDVEKEMETLV 992

Search completed: June 23, 2003, 02:51:51
Job time : 16.6107 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June '23, 2003, 02:37:02 ; Search time 30.7179 Seconds
(without alignments)
1490.061 Million cell updates/sec

Title: US-09-380-276A-8

Perfect score: 2283

Sequence: 1 MALKVLLSQEKTFTLLVLL.....AIHPATQTSQVRRQLGSL 423

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/2/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/2/pubpaa/US08_PUBCOMB.pep.*
- 8: /cgn2_6/prodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/prodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/prodata/2/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	2278	99.8	423	9	US-10-114-893-121
2	2278	99.8	423	10	US-09-780-532-4
3	2238	98.0	417	10	US-09-780-532-2
4	2237	98.0	417	9	US-10-174-590-474
5	2237	98.0	417	9	US-10-176-758-474
6	2237	98.0	417	9	US-10-175-737-474
7	2237	98.0	417	9	US-10-173-706-474
8	2237	98.0	417	9	US-10-175-738-474
9	2237	98.0	417	9	US-10-175-752-474
10	2237	98.0	417	9	US-10-176-482-474
11	2237	98.0	417	9	US-10-176-757-474
12	2237	98.0	417	9	US-10-176-913-474
13	2237	98.0	417	9	US-10-180-552-474
14	2237	98.0	417	9	US-10-180-557-474
15	2237	98.0	417	9	US-10-173-700-474
16	2237	98.0	417	9	US-10-174-572-474
17	2237	98.0	417	9	US-10-174-579-474
18	2237	98.0	417	9	US-10-174-582-474
19	2237	98.0	417	9	US-10-174-588-474

20	2237	98.0	417	9	US-10-175-739-474	Sequence 474, App
21	2237	98.0	417	9	US-10-175-740-474	Sequence 474, App
22	2237	98.0	417	9	US-10-175-743-474	Sequence 474, App
23	2237	98.0	417	9	US-10-176-488-474	Sequence 474, App
24	2237	98.0	417	9	US-10-176-492-474	Sequence 474, App
25	2237	98.0	417	9	US-10-176-747-474	Sequence 474, App
26	2237	98.0	417	9	US-10-176-750-474	Sequence 474, App
27	2237	98.0	417	9	US-10-176-985-474	Sequence 474, App
28	2237	98.0	417	9	US-10-176-987-474	Sequence 474, App
29	2237	98.0	417	9	US-10-176-991-474	Sequence 474, App
30	2237	98.0	417	9	US-10-176-992-474	Sequence 474, App
31	2237	98.0	417	9	US-10-176-993-474	Sequence 474, App
32	2237	98.0	417	9	US-10-184-658-474	Sequence 474, App
33	2237	98.0	417	9	US-10-227-884-220	Sequence 220, App
34	2237	98.0	417	9	US-10-173-695-474	Sequence 474, App
35	2237	98.0	417	9	US-10-173-697-474	Sequence 474, App
36	2237	98.0	417	9	US-10-173-705-474	Sequence 474, App
37	2237	98.0	417	9	US-10-174-576-474	Sequence 474, App
38	2237	98.0	417	9	US-10-174-585-474	Sequence 474, App
39	2237	98.0	417	9	US-10-174-586-474	Sequence 474, App
40	2237	98.0	417	9	US-10-175-747-474	Sequence 474, App
41	2237	98.0	417	9	US-10-176-481-474	Sequence 474, App
42	2237	98.0	417	9	US-10-176-485-474	Sequence 474, App
43	2237	98.0	417	9	US-10-176-487-474	Sequence 474, App
44	2237	98.0	417	9	US-10-176-493-474	Sequence 474, App
45	2237	98.0	417	9	US-10-176-756-474	Sequence 474, App

ALIGNMENTS

RESULT 1

US-10-114-893-121

; Sequence 121, Application US/10114893

; Publication No. US20020193567A1

; GENERAL INFORMATION:

; APPLICANT: Jacobs, Kenneth

; APPLICANT: McCoy, John M.

; APPLICANT: LaVallie, Edward R.

; APPLICANT: Collins-Racie, Lisa A.

; APPLICANT: Evans, Cheryl

; APPLICANT: Merberg, David

; APPLICANT: Treacy, Maurice

; APPLICANT: Bowman, Michael R.

; APPLICANT: Spaulding, Vikki

; APPLICANT: Carlin-Duckett, McKeough

; APPLICANT: Kelleher, Kerry S.

; APPLICANT: Genetics Institute, Inc.

; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM

; FILE REFERENCE: GI 6000-10A

; CURRENT APPLICATION NUMBER: US/10/114,893

; CURRENT FILING DATE: 2002-04-02

; EARLIER APPLICATION NUMBER: 09/413,232

; EARLIER FILING DATE: 1999-10-06

; NUMBER OF SEQ ID NOS: 321

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 121

; LENGTH: 423

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-114-893-121

Query Match

Best Local Similarity 99.8%; Score 2278; DB 9; Length 423;

Matches 422; Conservativity 99.8%; Pred. No. 4.6e-178;

Mismatches 0; Indels 0; Gaps 0;

QY 1 MALKVLLSQEKTFTLLVLLGYLSCKVTCETGDCRQBFDRSGNCVPCNQCQPGMELSK 60

Db 1 MALKVLLSQEKTFTLLVLLGYLSCKVTCETGDCRQBFDRSGNCVPCNQCQPGMELSK 60

QY 61 ECGFGYGEDACVTCRLHRFKEDMGCKPCLDCAVNRFOKANCSDAICGDCPLG 120

Db 61 ECGFGYGEDACVTCRLHRFKEDMGCKPCLDCAVNRFOKANCSDAICGDCPLG 120

QY 121 FYRKTCLVGFQDMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTCLVGFQDMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVYCKRQFMKKPSWSLSRSQDIQNGSELSCLDRPQLHEHAHACCOCRRD 240
DB 181 VLLALLILCVYCKRQFMKKPSWSLSRSQDIQNGSELSCLDRPQLHEHAHACCOCRRD 240
QY 241 SVOTCGPVRLLPSMCCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVOTCGPVRLLPSMCCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELGTEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELGTEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTATDLSRYNNTLVESASTODALTMRSQLDOESGAIHPATQTSLOVRQL 420
DB 361 PVQSHSENFTATDLSRYNNTLVESASTODALTMRSQLDOESGAIHPATQTSLOVRQL 420
QY 421 GSL 423
DB 421 GSL 423
RESULT 2
US-09-780-532-4
; Sequence 4, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-780-532-4

Query Match 99.8%; Score 2278; DB 10; Length 423;
Best Local Similarity 99.8%; Pred. No. 4.6e-178;
Matches 422; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MALKVLLQEBKTFLLVLLGYLSCKVTCBTGCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLQEBKTFLLVLLGYLSCKVTCBTGCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCKPCLDCAVNRFOKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCKPCLDCAVNRFOKANCATSDAICGDCPLG 120
QY 121 FYRKTCLVGFQDMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTCLVGFQDMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVYCKRQFMKKPSWSLSRSQDIQNGSELSCLDRPQLHEHAHACCOCRRD 240
DB 181 VLLALLILCVYCKRQFMKKPSWSLSRSQDIQNGSELSCLDRPQLHEHAHACCOCRRD 240
QY 241 SVOTCGPVRLLPSMCCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVOTCGPVRLLPSMCCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELGTEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELGTEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTATDLSRYNNTLVESASTODALTMRSQLDOESGAIHPATQTSLOVRQL 420
DB 361 PVQSHSENFTATDLSRYNNTLVESASTODALTMRSQLDOESGAIHPATQTSLOVRQL 420
QY 421 GSL 423
DB 421 GSL 423
RESULT 3
US-09-780-532-2
; Sequence 2, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-780-532-2

Query Match 98.0%; Score 2238; DB 10; Length 417;
Best Local Similarity 99.5%; Pred. No. 8.3e-175;
Matches 413; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MALKVLLQEBKTFLLVLLGYLSCKVTCBTGCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLQEBKTFLLVLLGYLSCKVTCBTGCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCKPCLDCAVNRFOKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCKPCLDCAVNRFOKANCATSDAICGDCPLG 120
QY 121 FYRKTCLVGFQDMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTCLVGFQDMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVYCKRQFMKKPSWSLSRSQDIQNGSELSCLDRPQLHEHAHACCOCRRD 240
DB 181 VLLALLILCVYCKRQFMKKPSWSLSRSQDIQNGSELSCLDRPQLHEHAHACCOCRRD 240
QY 241 SVOTCGPVRLLPSMCCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVOTCGPVRLLPSMCCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELGTEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELGTEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTATDLSRYNNTLVESASTODALTMRSQLDOESGAIHPATQTSLO 415
DB 361 PVQSHSENFTATDLSRYNNTLVESASTODALTMRSQLDOESGAIHPATQTSLO 415
RESULT 4
US-10-174-590-474

; Sequence 474, Application US/10174590
; Publication No. US20030008352A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C42

; CURRENT APPLICATION NUMBER: US/10/174,590

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 474

; LENGTH: 417

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-174-590-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;
Matches 412; Conservative 2; Mismatches 1;

QY 1 MALKVLLLEQKTFETLLVLLGLYSCKVTCETGDCRQEQEFDRSGNCVPCNQCQPGMELSK 60

Db 1 MALKVLLLEQKTFETLLVLLGLYSCKVTCESGDCRQEQEFDRSGNCVPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCSDAICGDCPLG 120

Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNVLVKIATASSPRDTALAAVICSALAT 180

Db 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNVLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCDLRQPOLHEVAHRACCCRRD 240

Db 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCDLRQPOLHEVAHRACCCRRD 240

QY 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

Db 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

Db 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAIHPATQTSIQ 415

Db 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAIHPATQTSIQ 415

RESULT 5

US-10-176-758-474

; Sequence 474, Application US/10176758

; Publication No. US20030008353A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P34301C104

; CURRENT APPLICATION NUMBER: US/10/176,758

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 474

; LENGTH: 417

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-176-758-474

Query Match 98.0%; Score 2237; DB 9; Length 417;

Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;

Matches 412; Conservative 2; Mismatches 1;

QY 1 MALKVLLLEQKTFETLLVLLGLYSCKVTCETGDCRQEQEFDRSGNCVPCNQCQPGMELSK 60

Db 1 MALKVLLLEQKTFETLLVLLGLYSCKVTCESGDCRQEQEFDRSGNCVPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCSDAICGDCPLG 120

Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNVLVKIATASSPRDTALAAVICSALAT 180

Db 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNVLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCDLRQPOLHEVAHRACCCRRD 240

Db 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCDLRQPOLHEVAHRACCCRRD 240

QY 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

Db 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

Db 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAIHPATQTSIQ 415

Db 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAIHPATQTSIQ 415

RESULT 6

US-10-175-737-474

; Sequence 474, Application US/10175737

; Publication No. US200300013153A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P34301C50

; CURRENT APPLICATION NUMBER: US/10/175,737

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 474

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; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-474

Query Match      98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMEKKPSWLSRSDIQYNGSELSCLDRLPOLHEVHAHRACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMEKKPSWLSRSDIQYNGSELSCLDRLPOLHEVHAHRACCCRRD 240
QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSODLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSODLVGGAV 360
QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDQESGAIHPATQTSLO 415
DB 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDQESGAIHPATQTSLO 415

RESULT 8
US-10-175-738-474
; Sequence 474, Application US/10175738
; Publication No. US20030022294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-474

Query Match      98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMEKKPSWLSRSDIQYNGSELSCLDRLPOLHEVHAHRACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMEKKPSWLSRSDIQYNGSELSCLDRLPOLHEVHAHRACCCRRD 240
QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSODLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSODLVGGAV 360
QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDQESGAIHPATQTSLO 415
DB 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDQESGAIHPATQTSLO 415

RESULT 7
US-10-173-706-474
; Sequence 474, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-474

Query Match      98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMEKKPSWLSRSDIQYNGSELSCLDRLPOLHEVHAHRACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMEKKPSWLSRSDIQYNGSELSCLDRLPOLHEVHAHRACCCRRD 240
QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSODLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSODLVGGAV 360
QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDQESGAIHPATQTSLO 415
DB 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDQESGAIHPATQTSLO 415
```


Db 181 VLLALLILCVYCKRQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Qy 241 SVQTCGPVRLPSMCEECACSPNATLGGVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPSMCEECACSPNATLGGVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQLDQESGAIHPATQTSLO 415
Db 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQLDQESGAIHPATQTSLO 415

RESULT 9
US-10-175-752-474
; Sequence 474, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWLSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWLSK 60
Qy 61 ECGFGYGEDAQCVTCRLHFRFKEDWGFQCKPCLDCAVNRFPKANCATSATSDAICGDLPG 120
Db 61 ECGFGYGEDAQCVTCRLHFRFKEDWGFQCKPCLDCAVNRFPKANCATSATSDAICGDLPG 120
Qy 121 FYRKTKLVGFQDMQVCPGDDPPPPYEPHPCASKVNLVKIATASSPRDTALAIVICSAAT 180
Db 121 FYRKTKLVGFQDMQVCPGDDPPPPYEPHPCASKVNLVKIATASSPRDTALAIVICSAAT 180
Qy 181 VLLALLILCVYCKRQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Db 181 VLLALLILCVYCKRQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Qy 241 SVQTCGPVRLPSMCEECACSPNATLGGVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPSMCEECACSPNATLGGVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360

Qy 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQLDQESGAIHPATQTSLO 415
Db 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQLDQESGAIHPATQTSLO 415

RESULT 10
US-10-176-482-474
; Sequence 474, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWLSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWLSK 60
Qy 61 ECGFGYGEDAQCVTCRLHFRFKEDWGFQCKPCLDCAVNRFPKANCATSATSDAICGDLPG 120
Db 61 ECGFGYGEDAQCVTCRLHFRFKEDWGFQCKPCLDCAVNRFPKANCATSATSDAICGDLPG 120
Qy 121 FYRKTKLVGFQDMQVCPGDDPPPPYEPHPCASKVNLVKIATASSPRDTALAIVICSAAT 180
Db 121 FYRKTKLVGFQDMQVCPGDDPPPPYEPHPCASKVNLVKIATASSPRDTALAIVICSAAT 180
Qy 181 VLLALLILCVYCKRQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Db 181 VLLALLILCVYCKRQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Qy 241 SVQTCGPVRLPSMCEECACSPNATLGGVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPSMCEECACSPNATLGGVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQLDQESGAIHPATQTSLO 415
Db 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQLDQESGAIHPATQTSLO 415

RESULT 11
US-10-176-757-474
; Sequence 474, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

```
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-474
```

```
Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;
Matches 412; Conservative 2; Mismatches 1;

Qy 1 MALKVLLLEQEKFTFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKFTFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60

Qy 61 ECGFGYGEDAQCVTCRLHFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVTCRLHFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDCPLG 120

Qy 121 FYRKTLYGFQDMECVPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
Db 121 FYRKTLYGFQDMECVPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180

Qy 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
Db 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240

Qy 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

Qy 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

Qy 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
Db 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
```

```
RESULT 12
US-10-176-913-474
; Sequence 474, Application US/10176913
; Publication No. US20030022398A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;
Matches 412; Conservative 2; Mismatches 1;

Qy 1 MALKVLLLEQEKFTFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKFTFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60

Qy 61 ECGFGYGEDAQCVTCRLHFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVTCRLHFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDCPLG 120

Qy 121 FYRKTLYGFQDMECVPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
Db 121 FYRKTLYGFQDMECVPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180

Qy 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
Db 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240

Qy 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

Qy 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

Qy 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
Db 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
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RESULT 13
US-10-180-552-474
; Sequence 474, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-552-474
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Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCCTRLHRFKEDWGFQCKPCCLDCAVNRFOKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCCTRLHRFKEDWGFQCKPCCLDCAVNRFOKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPLPSMCEEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300
DB 241 SVQTCGPVRLPLPSMCEEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300

QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTIVESASTODALTMSRQDQESGAIHPATQTSLO 415
DB 361 PVQSHSENFTAATDLRYNNLTIVESASTODALTMSRQDQESGAIHPATQTSLO 415

RESULT 14

US-10-180-557-474
; Sequence 474, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCCTRLHRFKEDWGFQCKPCCLDCAVNRFOKANCATSDAICGDCPLG 120

DB 61 ECGFGYGEDAQCCTRLHRFKEDWGFQCKPCCLDCAVNRFOKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

DB 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

DB 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPLPSMCEEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300

DB 241 SVQTCGPVRLPLPSMCEEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300

QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360

DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTIVESASTODALTMSRQDQESGAIHPATQTSLO 415

DB 361 PVQSHSENFTAATDLRYNNLTIVESASTODALTMSRQDQESGAIHPATQTSLO 415

RESULT 15

US-10-173-700-474
; Sequence 474, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-700-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCCTRLHRFKEDWGFQCKPCCLDCAVNRFOKANCATSDAICGDCPLG 120

DB 61 ECGFGYGEDAQCCTRLHRFKEDWGFQCKPCCLDCAVNRFOKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

DB 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

DB 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPLPSMCEEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300

Db	241	SVQTCGPVRLLEPSMCCCEACSPNPATLGGVHSAASLQARNAGPAGEVPTFFGSLTQSI	300
Qy	301	CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV	360
Db	301	CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV	360
Qy	361	PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLQ	415
Db	361	PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQLDOESGAVIHPATQTSLQ	415

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Job time : 32.7179 secs